

Supplementary material

Baseline comparability of withdrawal status

Participants that withdrew were slightly younger, more likely to have the ethnicity category “Other”, be in a relationship and have STIs diagnosed in the previous 12 months, and less likely to have a university degree and circumcised (Table 1). Of the 48 participants that withdrew, 9 were on or after Jan 1st, 2020.

Table 1: Baseline Characteristics. Data presented as median [IQR] or n (%). Four participants (three that did and one that did not withdraw) did not complete the Baseline Questionnaire and were not included in the table. 18 participants did not complete the All-Visits Questionnaire at baseline so were not included in the summary of relationship status.

	Entire Sample n = 135	Did not Withdraw n = 88	Withdrew from the study n = 47
Age at registration	30 [26,39]	31 [27,40]	28 [26,36]
Age category			
< 25	19 (14%)	11 (12%)	8 (17%)
≥ 25	116 (86%)	77 (88%)	39 (83%)
Ethnicity			
White/Caucasian	101 (75%)	68 (77%)	33 (70%)
Black or African	9 (7%)	6 (7%)	3 (6%)
Oriental	6 (4%)	4 (5%)	2 (4%)
Other	19 (14%)	10 (11%)	9 (19%)
University degree	97 (72%)	65 (74%)	32 (68%)
Employment status			
Full time	98 (73%)	63 (72%)	35 (74%)
Part time	9 (7%)	4 (5%)	5 (11%)
Education	20 (15%)	15 (17%)	5 (11%)
Unemployed	8 (6%)	6 (7%)	2 (4%)
Born in the UK	74 (55%)	49 (56%)	25 (53%)
Not currently in a relationship	88 (65%)	60 (68%)	28 (60%)
Circumcised	37 (27%)	28 (32%)	9 (19%)
STI diagnosed in past 12 months			
Any	75 (56%)	46 (52%)	29 (62%)
Bacterial ^a	71 (53%)	43 (49%)	28 (60%)
Rectal ^b	42 (31%)	24 (27%)	18 (38%)
Number of HIV tests in past 12 months	3 [2]	3 [2]	3 [2]
Used PEPSE in past 12 months	53 (39%)	35 (40%)	18 (38%)

- ^a Gonorrhoea, chlamydia, or syphilis
- ^b Rectal gonorrhoea or rectal chlamydia

Participants that withdrew in the HOME PEPSE arm were slightly younger, more likely to be White, be in education, and have used PEPSE in the previous 12 months, and less likely to work full time, have a university degree, be in a relationship, and have STIs diagnosed in the previous 12 months (Table 2).

Table 2: Baseline Characteristics of withdrawals by treatment arm. Data presented as median [IQR] or n (%). Three participants did not complete the Baseline Questionnaire and were not included in the table. Five participants did not complete the All-Visits Questionnaire at baseline so were not included in the summary of relationship status.

Characteristics	Category	Overall	Treatment arm	
			HOME PEPSE	SOC
n		47	24	23
Age at registration		28 [26, 36]	28 [26, 33]	30 [26, 39]
Age category	<25	8 (17)	4 (17)	4 (17)
	25+	39 (83)	20 (83)	19 (83)
Ethnicity	White/Caucasian	33 (70)	18 (75)	15 (65)
	Black or African	3 (6)	1 (4)	2 (9)
	Oriental	2 (4)	1 (4)	1 (4)
	Other	9 (19)	4 (17)	5 (22)
University degree		32 (68)	15 (62)	17 (74)
Employment status	Full time	35 (74)	16 (67)	19 (83)
	Part time	5 (11)	2 (8)	3 (13)
	Education	5 (11)	5 (21)	0 (0)
	Unemployed	2 (4)	1 (4)	1 (4)
Born in the UK		25 (53)	12 (50)	13 (57)
Not currently in a relationship		28 (67)	14 (61)	14 (74)
Circumcised		9 (19)	5 (21)	4 (17)
STI diagnosed in past 12 months	Any	29 (62)	13 (54)	16 (70)
	Bacterial	28 (60)	13 (54)	15 (65)
	Rectal	18 (38)	8 (33)	10 (43)
No. of HIV tests in past 12 months		3 (2)	4 (2)	3 (1)
Used PEPSE in past 12 months		18 (38)	13 (54)	5 (22)