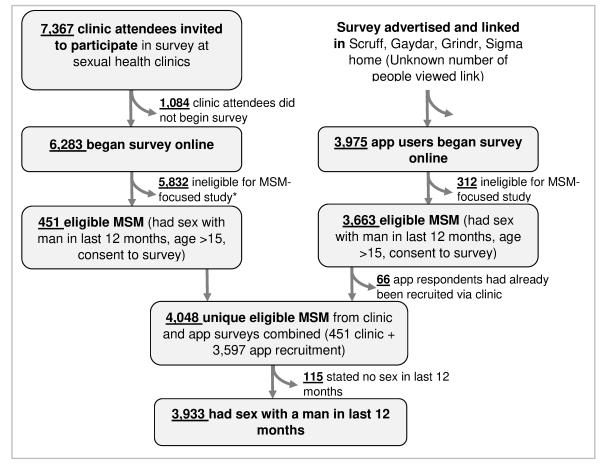
Characteristics and sexual health service use of MSM engaging in chemsex: results from a large online survey in England - Supplementary material





*Note that the low proportion of eligible SHC-recruited respondents reflects that women and heterosexual men were also invited to the overall RiiSH study, however they were routed to a different questionnaire for heterosexual respondents which is not relevant to this paper.

Table 1: Comparison of demographic characteristics among respondents to the RiiSH survey recruited from sexual health clinics and from social networking/dating apps in England (2016-2017). Non-missing percentages presented.

	Number			Non-missing percentage			
	Clinic	Арр		Clinic	Арр		Chi2 p
	recruited	recruited	Total	recruited	recruited	Total	value
Age group							
16-29	181	638	819	43.0%	18.2%	20.8%	<0.001
30-44	163	1,090	1,253	38.7%	31.0%	31.9%	
45-59	66	1,349	1,415	15.7%	38.4%	36.0%	
60+	11	435	446	2.6%	12.4%	11.3%	
Ethnicity*							
White British/Irish	267	2,856	3,123	64.0%	82.2%	80.2%	<0.001
White other	55	333	388	13.2%	9.6%	10.0%	
Black	30	54	84	7.2%	1.6%	2.2%	
Asian	31	127	158	7.4%	3.7%	4.1%	
Mixed ethnicity	23	77	100	5.5%	2.2%	2.6%	
Other	11	28	39	2.6%	0.8%	1.0%	
Country of birth*							
Not UK	134	583	717	31.9%	16.9%	18.5%	<0.001
UK	286	2,876	3,162	68.1%	83.1%	81.5%	
Highest qualification received*							
Below degree	153	1,693	1,846	36.4%	49.2%	47.8%	<0.001
Uni degree or higher	267	1,745	2,012	63.6%	50.8%	52.2%	
HIV status*							
HIV-negative/untested	321	3,037	3,358	76.8%	86.8%	85.8%	<0.001
HIV-positive	97	460	557	23.2%	13.2%	14.2%	
Sex app							
Grindr	-	1,894	1,894	-	53.9%	48.2%	-
Gaydar	-	1,527	1,527	-	43.5%	38.8%	
Scruff	-	67	67	-	1.9%	1.7%	
Sigma website	-	20	20	-	0.6%	0.5%	
Total	421	3,512	3,993	100.0%	100.0%	100.0%	

* Variables have <2.5% missing data with no difference by recruitment method

Not university educated

Not university educated University educated

University educated

Born in UK

164

416

1500

1326

28.3%

71.7%

53.1%

46.9%

	No chemsex in past 12 months		Chemsex in past 12 months		Univariable logistic regression		
	n	%	n	%	Odds ratio	95% confidence interval	Global p value
All							
Not university educated	1683	48.7%	159	40.5%	1.40	1.13-1.73	0.002
University educated Born outside UK	1771	51.3%	234	59.5%			

26

82

132

149

24.1%

75.9%

47.0%

53.0%

1.24

1.27

0.77-2.00

0.99-1.63

0.371

0.510

Table 2: Univariable logistic regression analysis results on association between highest qualification received and chemsex in the 12 months prior to completing RiiSH MSM survey (2016-2017), stratified by continent of birth (simplified to UK vs non-UK; Non-missing percentages presented)

Table 3. History of condomless anal sex (CAS) and HIV status of partner(s) in 3 months prior to completing RiiSH MSM survey (2016-2017), by HIV status and chemsex participation in the past 12 months. Non-missing percentages presented

	No chemsex in past 12 months		Chemsex in past 1 months	
	n	%	n	%
HIV-positive*				
No CAS	164	43.7%	24	20.5%
All partners seroconcordant	68	18.1%	52	44.4%
>1 serodiscordant partner	87	23.2%	29	24.8%
>1 partner with unknown HIV status	56	14.9%	12	10.3%
HIV-negative/unknown*				
No CAS	1586	58.1%	70	30.0%
All partners seroconcordant	747	27.4%	72	30.9%
>1 serodiscordant partner	180	6.6%	42	18.0%
>1 partner with unknown HIV status	218	8.0%	49	21.0%

*Missingness similar across all groups: HIV-positive reporting no chemsex: 11.3%; HIV-positive reporting chemsex: 12.0%, HIVnegative/unknown reporting chemsex: 10.4%; HIV-negative/untested reporting no chemsex: 11.6%. No identified demographic differences between persons who did and did not respond.