

Web Appendix Table 1: Denominators for each subpopulation of the Natsal-3 sample by age and sex

		Men							Women						
		16-24	25-34	35-44	45-54	55-64	65-74	Total	16-24	25-34	35-44	45-54	55-64	65-74	Total
All participants	Unwt	1729	1525	806	794	775	667	6293	2140	2487	1215	1123	1030	874	8869
	Wt	1238	1374	1425	1413	1197	860	7508	1207	1380	1455	1443	1235	935	7654
Sexually experienced ²	% (of row above) ¹	81.0%	94.9%	97.9%	96.3%	93.6%	91.6%	92.9%	80.2%	95.9%	97.9%	97.4%	96.1%	93.4%	93.8%
	Unwt	1375	1456	790	761	715	610	5707	1740	2397	1189	1091	985	816	8218
Data on SHC attendance (ever)	Wt	1003	1304	1395	1360	1121	788	6971	968	1323	1425	1406	1189	873	7181
	% (of row above) ¹	99.9%	99.5%	98.9%	98.9%	97.9%	97.0%	98.8%	99.6%	99.3%	98.6%	97.9%	99.1%	97.3%	98.7%
Data on time since last SHC attendance	Unwt	1373	1448	783	751	699	586	5640	1731	2378	1175	1066	976	794	8120
	Wt	1003	1304	1395	1360	1121	788	6971	968	1313	1405	1376	1176	850	7084
Sexually active ³	% (of row above) ¹	98.6%	97.8%	99.1%	99.3%	99.6%	99.8%	99.0%	98.3%	99.5%	99.5%	99.6%	99.5%	99.7%	99.4%
	Unwt	1353	1418	775	745	696	585	5572	1701	2365	1168	1060	970	791	8055
Unsafe sex ⁴	Wt	987	1269	1368	1336	1093	762	6814	947	1306	1398	1371	1170	847	7039
	% (of row above) ¹	94.6%	95.5%	94.6%	89.5%	78.5%	61.5%	87.5%	96.7%	95.3%	92.8%	87.0%	65.0%	42.5%	82.0%
Unsafe sex ⁴	Unwt	1277	1350	717	635	515	325	4819	1650	2232	1056	872	573	285	6668
	Wt	934	1212	1294	1196	858	469	5962	916	1244	1297	1192	760	360	5770
Unsafe sex ⁴	% (of row above) ¹	29.8%	17.3%	12.9%	13.8%	13.7%	10.8%	16.6%	29.5%	15.9%	11.9%	10.2%	7.1%	4.5%	14.1%
	Unwt	388	258	114	113	93	36	1002	515	401	155	117	52	13	1253
	Wt	278	210	167	164	119	50	987	270	198	155	122	54	16	815

¹ % are of weighted denominators

² 1+ lifetime partner (opposite and/or same-sex)

³ 1+ partner (opposite and/or same-sex) in the past year

⁴ Defined as either not using a condom at first sex with a new (vaginal or anal sex) partner in the oast year and/or two or more sexual partners in the past year and no condom use in that time

Web Appendix Table 2: Prevalence of sexual health (GUM) clinic attendance in sexually experienced by age and sex

	16-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	All ages (16-74)
Men													
Ever	30.7%	35.0%	39.7%	32.3%	22.7%	16.2%	21.8%	16.6%	14.1%	13.4%	8.6%	5.4%	22.3%
	[26.4%,35.3%]	[31.4%,38.7%]	[35.9%,43.6%]	[28.4%,36.5%]	[18.6%,27.4%]	[12.8%,20.4%]	[17.6%,26.6%]	[12.9%,21.1%]	[10.3%,19.1%]	[10.2%,17.4%]	[6.0%,12.2%]	[3.1%,9.2%]	[21.1%,23.6%]
Past 5 years	29.5%	32.6%	30.3%	16.9%	8.5%	6.5%	4.2%	3.5%	1.1%	1.8%	0.4%	0.3%	11.5%
	[25.2%,34.2%]	[29.1%,36.3%]	[26.8%,34.0%]	[14.0%,20.2%]	[6.1%,11.8%]	[4.3%,9.7%]	[2.6%,6.8%]	[2.0%,6.0%]	[0.4%,3.2%]	[0.9%,3.6%]	[0.1%,1.8%]	[0.0%,1.9%]	[10.7%,12.4%]
Past year	18.6%	15.5%	9.5%	4.0%	1.5%	2.1%	1.0%	1.6%	0.0%	0.4%	0.0%	0.0%	4.3%
	[15.3%,22.4%]	[12.9%,18.5%]	[7.6%,11.7%]	[2.7%,6.1%]	[0.7%,3.1%]	[1.0%,4.1%]	[0.4%,2.5%]	[0.7%,3.6%]		[0.1%,1.3%]			[3.9%,4.8%]
Women													
Ever	41.2%	50.5%	41.6%	36.1%	24.6%	18.0%	14.9%	14.6%	12.4%	9.8%	5.6%	4.8%	23.2%
	[37.2%,45.3%]	[47.2%,53.9%]	[38.6%,44.7%]	[32.9%,39.4%]	[21.2%,28.5%]	[15.1%,21.4%]	[12.1%,18.2%]	[11.6%,18.3%]	[9.6%,15.9%]	[7.4%,12.9%]	[3.8%,8.4%]	[2.9%,7.8%]	[22.2%,24.2%]
Past 5 years	40.1%	45.8%	26.8%	15.7%	7.7%	5.0%	4.4%	2.0%	1.7%	0.1%	0.4%	0.5%	11.9%
	[36.1%,44.2%]	[42.5%,49.3%]	[23.9%,29.8%]	[13.3%,18.4%]	[5.7%,10.3%]	[3.5%,7.0%]	[3.0%,6.3%]	[1.0%,3.6%]	[0.9%,3.3%]	[0.0%,0.7%]	[0.1%,1.4%]	[0.1%,2.1%]	[11.2%,12.7%]
Past year	26.0%	20.4%	9.5%	4.7%	2.6%	2.1%	1.4%	0.5%	0.2%	0.0%	0.0%	0.0%	5.0%
	[22.5%,29.7%]	[17.6%,23.5%]	[7.8%,11.6%]	[3.4%,6.6%]	[1.5%,4.7%]	[1.2%,3.6%]	[0.7%,2.8%]	[0.2%,1.5%]	[0.0%,1.4%]				[4.6%,5.5%]
Denominators													
Men													
<i>Unweighted</i>	582	793	826	630	382	408	401	360	335	380	354	256	5707
<i>Weighted</i>	374	629	651	654	671	724	716	644	540	581	474	313	6971
Women													
<i>Unweighted</i>	675	1065	1364	1033	591	598	589	502	474	511	482	334	8218
<i>Weighted</i>	344	624	670	653	673	751	762	644	597	589	541	333	7181

Web Appendix Table 3: Sexual health (GUM) clinic attendance by sociodemographic and behavioural characteristics among sexually active 16-74 year olds, by sex

	Attended a sexual health clinic in the past year												
	Men					Women							
	%	95% CI	aOR ¹	95% CI	p value	Denominators (unwt, wt)	%	95% CI	aOR ¹	95% CI	p value	Denominators (unwt, wt)	
Total	4.9%	(4.3-5.4)				4819, 5962	6.0%	(5.5-6.6)				6668, 5770	
Sociodemographic factors													
Age at interview						<0.0001							<0.0001
16-19	19.6%	(16.1-23.6)	1	-		533, 344	26.7%	(23.2-30.5)	1	-		644, 329	
20-24	16.0%	(13.3-19.1)	0.78	(0.57-1.08)		744, 590	21.0%	(18.1-24.2)	0.73	(0.57-0.95)		1006, 587	
25-34	7.0%	(5.8-8.5)	0.31	(0.23-0.43)		1350, 1212	7.4%	(6.2-8.8)	0.22	(0.17-0.28)		2232, 1244	
35-44	1.8%	(1.1-3.1)	0.08	(0.04-0.14)		717, 1294	2.3%	(1.5-3.5)	0.07	(0.04-0.10)		1056, 1297	
45-54	1.4%	(0.7-2.5)	0.06	(0.03-0.11)		635, 1196	1.1%	(0.6-2.0)	0.03	(0.02-0.06)		872, 1192	
55-64	0.3%	(0.1-0.9)	0.01	(<0.01-0.04)		515, 858	0.2%	(0.0-1.1)	<0.01	(<0.01-0.03)		573, 760	
65-74	0.0%	-	-	-		325, 469	0.0%	-	-	-		285, 360	
Region						0.1161							<0.0001
Rest of England	4.9%	(4.3-5.5)	1	-		3680, 4356	5.5%	(4.9-6.2)	1	-		5015, 4226	
Greater London	6.1%	(4.3-8.6)	1.15	(0.77-1.73)		480, 775	11.0%	(8.9-13.6)	2.16	(1.60-2.90)		694, 716	
Scotland	4.0%	(2.8-5.7)	0.81	(0.53-1.23)		405, 537	3.9%	(2.7-5.6)	0.66	(0.43-1.02)		580, 533	
Wales	2.7%	(1.5-4.9)	0.5	(0.26-0.96)		254, 295	4.7%	(3.2-6.8)	0.81	(0.53-1.24)		379, 294	
Relationship status						<0.0001							<0.0001
Married or civil partnership	0.5%	(0.3-1.0)	1	-		1864, 3269	1.1%	(0.8-1.6)	1	-		2713, 3196	
Living with partner of opposite or same sex	5.4%	(4.0-7.3)	5.42	(2.67-11.00)		833, 990	5.9%	(4.6-7.6)	2.07	(1.33-3.21)		1266, 992	
In a 'steady' ongoing relationship but not living together	10.9%	(9.0-13.2)	8.02	(4.00-16.07)		941, 755	16.1%	(14.1-18.3)	4.55	(3.02-6.86)		1348, 784	
Not in a 'steady' relationship	14.3%	(12.3-16.6)	11.2	(5.65-22.24)		1177, 944	15.8%	(13.6-18.4)	5.1	(3.38-7.71)		1334, 793	
Academic qualifications²						0.4002							0.1214
No academic qualifications	2.9%	(2.0-4.2)	1	-		714, 987	2.6%	(1.8-3.6)	1	-		898, 900	
Academic qualifications typically gained at age 16 years	4.5%	(3.7-5.5)	0.81	(0.51-1.27)		1630, 2011	4.1%	(3.5-4.9)	0.88	(0.59-1.33)		2307, 2030	
Studying for or have attained further academic qualifications	5.5%	(4.7-6.4)	0.73	(0.47-1.16)		2281, 2791	8.0%	(7.1-9.1)	1.13	(0.77-1.67)		3171, 2632	
Quintile of Index of Multiple Deprivation³						0.6523							0.0031
1 - 2 (least deprived)	4.0%	(3.2-4.8)	1	-		1929, 2532	4.9%	(4.1-5.8)	1	-		2538, 2419	
3	4.5%	(3.5-5.9)	0.98	(0.69-1.39)		936, 1166	4.6%	(3.7-5.7)	0.73	(0.54-1.00)		1299, 1118	
4 - 5 (most deprived)	6.0%	(5.1-7.1)	1.12	(0.84-1.48)		1954, 2264	7.9%	(6.9-9.1)	1.21	(0.94-1.55)		2831, 2233	
Sexual Behaviours													
Had first heterosexual intercourse before 16 years⁴						<0.0001							0.03
No	3.5%	(3.0-4.2)	1	-		3345, 4318	4.7%	(4.2-5.4)	1	-		4908, 4571	
Yes	8.4%	(7.1-9.9)	1.86	(1.44-2.41)		1425, 1579	11.2%	(9.7-12.9)	1.28	(1.02-1.60)		1692, 1143	
Number of sexual partners, past year⁵						<0.0001							<0.0001
1	2.4%	(1.9-2.8)	1	-		3545, 4796	3.1%	(2.7-3.5)	1	-		5424, 5006	
2	8.2%	(6.0-11.1)	1.92	(1.27-2.91)		531, 504	21.4%	(17.9-25.5)	4.47	(3.30-6.05)		568, 364	
3-4	18.0%	(14.2-22.4)	4.74	(3.26-6.89)		408, 360	29.0%	(24.3-34.3)	5.37	(3.89-7.42)		408, 227	
5+	26.7%	(21.4-32.7)	8.19	(5.60-11.97)		296, 256	35.4%	(27.4-44.3)	6.47	(4.14-10.12)		221, 131	
Concurrency, past year						<0.0001							<0.0001
No	3.7%	(3.2-4.3)	1	-		3944, 5129	4.1%	(3.7-4.6)	1	-		5787, 5214	
Yes	14.9%	(11.7-18.8)	2.86	(2.01-4.07)		452, 441	31.5%	(26.5-37.0)	5.57	(4.03-7.69)		411, 245	
Had unsafe sex, past year						<0.0001							<0.0001
No	3.6%	(3.1-4.1)	1	-		3771, 4920	4.0%	(3.5-4.5)	1	-		5362, 4905	
Yes	11.1%	(9.3-13.3)	2.26	(1.72-2.97)		1002, 987	18.3%	(15.9-20.9)	3.04	(2.37-3.89)		1253, 815	
Used the internet to find a sexual partner, past year						<0.0001							<0.0001
No	4.1%	(3.6-4.6)	1	-		4472, 5645	5.7%	(5.1-6.2)	1	-		6448, 5622	
Yes	18.3%	(14.3-23.0)	4.37	(3.08-6.21)		346, 315	19.6%	(13.5-27.5)	4.4	(2.44-7.93)		218, 146	
Had 1+ same sex partner, past year						<0.0001							0.0016
No	4.4%	(3.9-5.0)	1	-		4660, 5803	5.7%	(5.2-6.3)	1	-		6455, 5613	
Yes	20.8%	(14.6-28.8)	6.52	(3.76-11.33)		159, 159	16.3%	(11.3-22.9)	2.41	(1.40-4.16)		213, 157	
Ever experienced non-volitional sex						0.0001							0.0046
No	4.6%	(4.1-5.2)	1	-		4685, 5809	5.7%	(5.1-6.3)	1	-		5813, 5071	
Yes	14.8%	(8.4-24.6)	4.37	(2.05-9.30)		69, 81	7.6%	(5.8-9.9)	1.63	(1.16-2.30)		681, 575	
STI risk perception						<0.0001							<0.0001
Not at all at risk	2.8%	(2.4-3.4)	1	-		3147, 4294	3.8%	(3.3-4.3)	1	-		4906, 4530	
Not very much	8.1%	(6.8-9.6)	1.57	(1.17-2.10)		1390, 1420	13.0%	(11.2-15.0)	2.02	(1.59-2.58)		1496, 1052	
Greatly / Quite a lot at risk	22.7%	(17.6-28.7)	4.83	(3.23-7.22)		261, 224	23.3%	(17.7-29.9)	3.78	(2.56-5.58)		233, 161	

P-values are for the association between a variable and attendance at sexual health clinic after adjustment for age and were obtained using a Wald Test
Percentages are based on weighted denominators excluding missing data.

Footnotes:

¹ Age-adjusted ORs

² Participants aged ≥17 years

³ Index of Multiple Deprivation is an area-level measure of deprivation ²⁰.

⁴ First heterosexual sex age 13+

⁵ Opposite and/or same-sex partners