

Supplemental table: Variations in HPV DNA positivity of high-risk types by selected sociodemographic characteristics, sexual behaviours, and health-related factors and gender.

	Women			Men		
	% (95% CI)	Crude OR (95% CI)	Denominator ¹	% (95% CI)	Crude OR (95% CI)	Denominator ¹
All	15.9% (14.1%-17.8%)	-	1525, 1851	9.6% (8.0%-11.6%)	-	1545, 1272
<i>Sociodemographic characteristics</i>						
Age, years		<i>p</i> <0.0001			<i>p</i> =0.1074	
40-44	9.8% (6.8%-13.9%)	1.00	281, 344	7.6% (4.5%-12.5%)	1.00	261, 231
35-39	11.0% (8.0% (15.1%)	1.15 (0.66-2.00)	311, 375	7.7% (4.8%-12.2%)	1.02 (0.47-2.19)	327, 269
30-34	12.8% (9.7%-16.6%)	1.35 (0.80-2.28)	324, 427	7.8% (5.1%-11.8%)	1.03 (0.50-2.11)	326, 281
25-29	17.3% (13.4%-22.0%)	1.93 (1.19-3.14)	286, 359	10.1% (6.5%-15.4%)	1.37 (0.66-2.86)	286, 219
18-24	27.5% (22.5%-33.3%)	3.51 (2.17-5.70)	324, 344	14.2% (10.0%-19.9%)	2.02 (1.02-4.00)	348, 269
Marital status		<i>p</i> <0.0001			<i>p</i> =0.0340	
Married	7.2% (5.5%-9.4%)	1.00	741, 769	6.5% (4.5%-9.3%)	1.00	670, 463
Cohabiting	20.7% (15.9%-26.3%)	3.37 (2.20-5.18)	280, 295	12.6% (8.4%-18.4%)	2.07 (1.14-3.75)	289, 203
Previous married	21.8% (16.5%-28.2%)	3.61 (2.30-5.67)	138, 245	13.6% (7.0%-24.8%)	2.27 (0.99-5.24)	61, 79
Single, never married	27.5% (23.2%-32.2%)	4.91(3.40-7.08)	366, 542	11.6% (8.6%-15.3%)	1.88 (1.13-3.13)	526, 525
Social class		<i>p</i> =0.1699			<i>p</i> =0.2260	
I/II	12.9% (10.2%-16.2%)	1.00	432, 556	8.2% (5.9%-11.4%)	1.00	566, 500
III non-manual	18.3% (15.0%-22.1%)	1.51 (1.06-2.16)	492, 577	7.4% (3.8%-13.8%	0.89 (0.41-1.95)	183, 145
III manual	14.2% (9.0%-21.6%)	1.12 (0.63-1.99)	111, 128	12.7% (9.3%-17.3%)	1.63 (0.98-2.71)	444, 328
IV/V	17.5% (13.7%-22.1%)	1.43 (0.96-2.12)	331, 398	9.6% (6.1%-14.9%)	1.19 (0.64-2.19)	266, 225

Supplemental table (CONTINUED): Variations in HPV DNA positivity of high-risk types by selected sociodemographic characteristics, sexual behaviours, and health-related factors and gender.

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All	15.9% (14.1%-17.8%)	-	1525, 1851	9.6% (8.0%-11.6%)	-	1545, 1272
Education		<i>p</i> =0.7374			<i>p</i> =0.1364	
Degree	14.6% (11.1%-18.9%)	1.00	278, 381	6.5% (4.1%-10.1%)	1.00	353, 326
A-level/Highers	16.6% (13.4%-20.5%)	1.17 (0.78-1.75)	468, 530	9.8% (7.0%-13.5%)	1.56 (0.85-2.88)	515, 407
GCSE/O-level	15.0% (12.4%-18.1%)	1.03 (0.71-1.52)	599, 707	12.3% (9.1%-16.4%)	2.02 (1.11-3.65)	501, 394
Foreign qualification	20.8% (5.7%-53.4%)	1.54 (0.34-6.91)	11, 15	0.0%	N/A	13, 14
No qualifications	18.6% (13.3%-25.3%)	1.34 (0.81-2.20)	168, 217	8.7% (4.5%-16.1%)	1.37 (0.58-3.21)	165, 129
Sexual behaviours						
Age at first heterosexual sex, years		<i>p</i> =0.0354			<i>p</i> =0.0013	
20+	12.8% (8.8%-18.4%)	1.00	175, 224	5.2% (2.4%-10.9%)	1.00	178, 154
18/19	11.8% (8.8%-15.6%)	0.91 (0.53-1.56)	334, 422	5.8% (3.4%-9.7%)	1.13 (0.42-3.03)	311, 263
17	18.0% (14.1%-22.7%)	1.49 (0.92-2.42)	317, 380	9.3% (5.8%-14.7%)	1.88 (0.73-4.88)	254, 213
16	15.5% (11.8%-20.1%)	1.25 (0.73-2.14)	336, 388	9.6% (6.4%-14.3%)	1.95 (0.76-5.02)	318, 248
15	21.2% (16.3%-27.1%)	1.83 (1.07-3.11)	209, 258	12.9% (8.3%-19.5%)	2.71 (1.13-6.51)	194, 159
<15	18.9% (12.9%-26.9%)	1.59 (0.87-2.91)	127, 155	18.1% (12.8%-25.0%)	4.04 (1.62-10.1)	232, 186
Ever had same-sex partner(s)		<i>p</i> =0.041			<i>p</i> =0.340	
No	15.5% (13.7%-17.4%)	1.00	1451, 1738	9.8% (8.1%-11.9%)	1.00	1454, 1159
Yes	23.6% (16.0%-33.4%)	1.69 (1.02-2.81)	75, 113	6.9% (3.2%-14.3%)	0.68 (0.30-1.51)	94, 113

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	% (95% CI)	Crude OR (95% CI)	Denominator ¹	% (95% CI)	Crude OR (95% CI)	Denominator ¹
All	15.9% (14.1%-17.8%)	-	1525, 1851	9.6% (8.0%-11.6%)	-	1545, 1272
Number of sexual partners², <u>lifetime</u>		<i>p</i> <0.0001			<i>p</i> =0.0029	
0-1	6.9% (4.3%-10.9%)	1.00	269, 279	1.4% (0.3%-5.8%)	1.00	197, 145
2	13.8% (9.2%-20.2%)	2.17 (1.10-4.29)	175, 197	4.4% (1.6%-11.5%)	3.30 (0.54-20.3)	124, 92
3-4	14.9% (11.1%-19.7%)	2.37 (1.29-4.33)	286, 340	8.8% (5.0%-14.9%)	7.00 (1.40-34.8)	211, 165
5-9	17.2% (14.0%-21.0%)	2.81 (1.61-4.91)	434, 535	9.9% (6.8%-14.3%)	7.99 (1.71-37.4)	393, 317
10+	23.8% (19.6%-28.5%)	4.22 (2.41-7.38)	330, 464	13.9% (10.8%-17.6%)	11.7 (2.57-53.4)	593, 529
Number of sexual partners², <u>past year</u>		<i>p</i> <0.0001			<i>p</i> <0.0001	
0-1	13.0% (11.3%-15.0%)	1.00	1271, 1505,	7.5% (5.9%-9.6%)	1.00	1152, 890
2	25.9% (19.3%-33.9%)	1.25 (0.59-2.67)	114, 164	9.3% (4.8%-17.2%)	1.25 (0.59-2.67)	134, 128
3-4	33.6% (22.9%-46.3%)	3.53 (1.93-6.44)	56, 78	22.3% (14.4%-32.9%)	3.53 (1.93-6.44)	114, 119
5+	55.0% (39.1%-70.0%)	4.78 (2.53-9.02)	34, 48	28.0% (17.9%-41.0%)	4.78 (2.53-9.02)	83, 85
Number of <u>new</u> sexual partners², <u>past year</u>		<i>p</i> <0.0001			<i>p</i> <0.0001	
0	11.3% (9.6%-13.2%)	1.00	1174, 1363	6.7% (5.0%-8.9%)	1.00	1029, 786
1	29.1% (23.3%-35.5%)	3.22 (2.28-4.55)	200, 293	12.7% (8.4%-18.8%)	2.03 (1.14-3.61)	240, 219
2+	42.3% (32.6%-52.7%)	5.77 (3.72-8.94)	98, 138	22.6% (16.7%-29.8%)	4.07 (2.51-6.59)	216, 220
Number of sexual partners² <u>without a condom</u>, <u>past year</u>		<i>p</i> <0.0001			<i>p</i> <0.0001	
0	14.5% (10.4%-19.8%)	1.00	246, 325	3.6% (1.8%-7.0%)	1.00	319, 301
1	14.4% (12.5%-16.6%)	0.99 (0.67-1.48)	1113, 1295	9.1% (7.1%-11.5%)	2.68 (1.25-5.77)	1001, 752
2+	33.3% (25.8%-41.8%)	2.94 (1.76-4.90)	119, 176	24.1% (17.0%-33.1%)	8.59 (3.71-19.9)	187, 186

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All	15.9% (14.1%-17.8%)	-	1525, 1851	9.6% (8.0%-11.6%)	-	1545, 1272
Concurrency between the most recent sexual partners³, past year		<i>p</i> <0.0001			<i>p</i> =0.010	
No	13.9% (12.2%-15.9%)	1.00	1333, 1599	8.5% (6.7%-10.6%)	1.00	1255, 1001
Yes	31.1% (23.6%-39.7%)	2.78 (1.86-4.16)	101, 144	15.9% (10.4%-23.5%)	2.05 (1.19-3.54)	174, 177
Receptive oral sex from sexual partner(s)², past year		<i>p</i> =0.744			<i>p</i> =0.034	
No	15.2% (11.6%-19.7%)	1.00	329, 425	5.8% (3.3%-9.8%)	1.00	319, 272
Yes	16.0% (13.9%-18.3%)	1.06 (0.74-1.51)	1162, 1385	10.7% (8.7%-13.2%)	1.97 (1.05-3.69)	1198, 977
Anal sex with opposite sex partner(s), past year		<i>p</i> =0.002			<i>p</i> =0.139	
No	14.8% (12.9%-16.8%)	1.00	1318, 1577	9.2% (7.5%-11.2%)	1.00	1321, 1083
Yes	23.7% (18.0%-30.4%)	1.79 (1.23-2.60)	175, 232	13.2% (8.3%-20.5%)	1.50 (0.87-2.59)	193, 162
Receptive/insertive anal sex with same sex partner(s), past year	<i>Not applicable</i>				<i>p</i> =0.387	
No				9.7% (8.0%-11.7%)	1.00	1509, 1224
Yes				4.4% (0.7%-23.5%)	2.33 (0.34-15.8)	32, 39
Health-related factors						
Smoking status		<i>p</i> =0.0089			<i>p</i> =0.0002	
Never smoked	13.1% (10.7%-15.9%)	1.00	701, 819	6.0% (4.3%-8.5%)	1.00	692, 569
Ex-smoker	15.3% (11.3%-20.3%)	1.20 (0.79-1.81)	257, 306	10.2% (6.3%-16.2%)	1.77 (0.90-3.49)	251, 205
Light smoker	21.0% (17.1%-25.6%)	1.77 (1.25-2.50)	318, 413	17.4% (12.7%-23.4%)	3.25 (1.94-5.47)	305, 266
Heavy smoker	17.6% (13.2%-22.9%)	1.41 (0.94-2.12)	249, 313	9.3% (6.0%-14.2%)	1.60 (0.87-2.93)	297, 231

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All	15.9% (14.1%-17.8%)	-	1525, 1851	9.6% (8.0%-11.6%)	-	1545, 1272
Alcohol consumption⁴		<i>p</i> <0.0001			<i>p</i> =0.0204	
None	8.6% (6.0%-12.2%)	1.00	266, 330	5.2% (2.4%-11.0%)	1.00	158, 130
Within recommended limits	15.7% (13.6%-18.2%)	1.98 (1.30-3.03)	1090, 1315	9.4% (7.6%-11.6%)	1.90 (0.82-4.42)	1243, 1013
Exceeds recommended limits	28.1% (21.5%-35.8%)	4.15 (2.43-7.08)	169, 206	16.2% (10.4%-24.5%)	3.53 (1.35-9.24)	145, 126
Circumcision status	<i>Not applicable</i>				<i>p</i> =0.064	
Not circumcised				10.5% (8.5%-12.8%)	1.00	1277, 1040
Circumcised				5.7% (3.0%-10.4%)	0.51 (0.25-1.04)	251, 221
Used oral contraception, past year		<i>p</i> <0.0001		<i>Not applicable</i>		
No	13.6% (11.7%-15.7%)	1.00	956, 1181			
Yes	20.1% (16.9%-23.7%)	1.61 (1.24-2.09)	535, 640			
STI diagnosis/es, past 5 years⁵		<i>p</i> =0.143			<i>p</i> =0.027	
No	15.6% (13.8%-17.6%)	1.00	1406, 1692	9.3% (7.6%-11.3%)	1.00	1429, 1167
Yes	23.2% (13.6%-36.8%)	1.64 (0.85-3.18)	53, 75	21.0% (10.5%-37.5%)	2.60 (1.12-6.05)	48, 49

Notes for Supplemental table:

1. Weighted, unweighted denominator defined as respondents in Natsal-2 providing a urine sample.
2. Opposite and/or same sex sexual partner(s).
3. Respondents were asked to report the months and years of first and last sex with their most recent partners (at most three partners). Where these dates overlapped between their most recent partner and their second most recent partner and/or their second most partner and their third most recent partner, it is assumed that the partnerships were concurrent.
4. Recommended limits are no more than 14 units per week among women and no more than 21 units per week among men according to the Royal College of Physicians, Royal College of Psychiatrists, Royal College of General Practitioners. *Alcohol and the heart: sensible limits reaffirmed*. London: Royal College of Physicians; 1995.
5. Defined as having been diagnosed with at least one of the following eight major sexually transmitted infections in the five years prior to interview for Natsal-2: genital herpes, trichomonas, gonorrhoea, syphilis, chlamydia, NSU/NSGI, genital warts, or pelvic inflammatory disease.,