

Table 2: Association between HPV infection, demographics and potential risk factors

Factor	Any HPV (n=205)			hrHPV (n=16)			Multiple hrHPV (n=6)			lrHPV (n=15)		
	No	OR (95%CI)	p	No	OR (95% CI)	p	No	OR (95% CI)	p	No	OR (95% CI)	p
Age-Group												
9-12	40	1.00 (Reference)		3	1.00 (Reference)		1	1.00 (Reference)		2	1.00 (Reference)	
13-16	115	0.67 (0.12-2.08)	0.49	6	0.68 (0.16-2.85)	0.60	2	0.69 (0.06-7.82)	0.77	5	0.84 (0.72-1811)	0.86
17-20	50	2.21 (0.17-6.91)	0.17	7	2.01 (0.48-8.32)	0.48	3	2.49 (0.25-24.90)	0.44	8	3.62 (0.61-4.64)	0.12
School category												
Private	101	1.00 (Reference)		6	1.00 (Reference)		1	1.00 (Reference)		6	1.00 (Reference)	
Public	104	1.25 (0.55-2.82)	0.59	10	1.68 (0.59-4.82)	0.33	5	5.05 (0.58-44.01)	0.14	9	1.5 (0.51-4.38)	0.46
Current School year												
1	52	1.00 (Reference)		3	1.00 (Reference)		2	1.00 (Reference)		3	1.00 (Reference)	
2	34	1.25 (0.31-5.04)	0.75	3	1.58 (0.30-8.33)	0.59	0	-		1	0.50 (0.49-4.97)	0.55
3	35	0.57 (0.10-3.12)	0.52	1	0.48 (0.05-4.82)	0.53	0	-		1	0.48 (0.48-4.82)	0.53
4	26	-	-	0	-	-	0	-		0	-	-
5	45	2.68 (0.84-8.56)	0.10	5	2.04 (0.46-9.07)	0.35	3	1.79 (0.28-11.19)	0.54	7	3.01 (0.73-12.41)	0.13
6	13	8.06 (1.93-33.60)	0.004	4	7.26 (1.38-38.07)	0.02	1	2.08 (0.17-24.29)	0.56	3	4.9 (0.19-0.20)	0.07
Socio-economic status												
Low	83	1.00 (Reference)		7	1 (Reference)		0	-	-	6	1.00 (Reference)	
Middle	81	0.65 (0.25-1.68)	0.37	5	0.71 (0.22-2.35)	0.58	4	1.01 (0.18-5.77)	0.99	5	0.84 (0.25-2.88)	0.79
High	41	1.22 (0.44-3.37)	0.70	4	1.17 (0.04-0.20)	0.81	2	-	-	4	1.39 (0.39-5.22)	0.63
Ever had sex												
No	186	1.00 (Reference)		13	1.00 (Reference)		5	1.00 (Reference)		11	1.00 (Reference)	
Yes	19	3.63 (1.35-10.56)	0.02	3	2.50 (0.64-9.68)	0.19	1	2.01 (0.22-18.17)	0.53	4	4.24 (1.20-14.96)	0.03
No. sexual partners												
<1	186	1.00 (Reference)		13	1.00 (Reference)		5	1.00 (Reference)		11	1.00 (Reference)	
1-2	17	2.42 (0.72-8.10)	0.15	2	1.77 (0.37-8.60)	0.48	1	2.26 (0.25-20.56)	0.47	3	3.41(0.85-13.66)	0.08
3-4	2	-	-	1	13.31(0.79-222.18)	0.07	0	-		1	15.91 (0.93-271.74)	0.56
Menarche												
No	60	1.00 (Reference)		2	1.00 (Reference)		0	-	-	1	1.00 (Reference)	
Yes	145	3.77 (1.09-13.00)	0.04	14	3.10 (0.68-14.08)	0.14	6			14	6.30 (081-49.07)	0.08
Douche												
No	171	1.00 (Reference)		13	1.00 (Reference)		5	1.00 (Reference)		11	1.00 (Reference)	
Yes	34	1.53 (0.57-4.13)	0.40	3	1.18 (0.32-4.37)	0.81	1	1.01 (0.11-8.89)	1.00	4	1.94 (0.58-6.50)	0.28
Masturbation												
No	198	1.00 (Reference)		14	1.00 (Reference)		6	-	-	15	-	-
Yes	7	2.77 (0.51-15.04)	0.24	2	5.26 (0.93-29.58)	0.06	0			0		
Vaginal pH												
4.5	102	1.00 (Reference)		7	1.00 (Reference)		3	1.00 (Reference)		7	1.00 (Reference)	
<4.5	7	1.25 (0.14-11.29)	0.84	0	-		0	-	-	1	0.26 (0.24-25.50)	0.48
>4.5	92	1.23 (0.53-2.86)	0.62	9	1.47 (0.53-4.12)	0.46	3	1.11 (0.22-5.65)	0.90	6	0.95 (0.31-2.93)	0.92
Forced sex												
No	8	1.00 (Reference)		0	-		0	-		2	1.00 (Reference)	0.72

Yes	11	1.71 (0.23-12.89)	0.60	3			1			2	0.67 (0.07-6.11)	
Condom use												
Always	2	1.00 (Reference)		1	-		1			1	1.00 (Reference)	
Most of the time	1	-	-	0		-	0	-	-	0	-	-
Never	13	0.44 (0.02-9.03)	0.60	2	0.18 (0.007-19.56)	0.29	2			2	0.18 (0.08-4.26)	0.20
Sometimes	3	0.50 (0.01-19.56)	0.71	0	-	-	0			1	0.50 (0.01-19.56)	0.71
Last time of sex												
1-5 months	5	1.00 (Reference)		1	1.00 (Reference)		1			2	1.00 (Reference)	
0-3 weeks	4	1.50 (0.10-21.3)	0.77	1	0.13 (0.57-31.12)	0.18	0	-	-	1	0.50 (0.28-8.95)	0.28
6-11 months	4	0.50 (0.03-8.95)-	0.64	1	0.13 (0.57-31.12)	0.18	0			0		
1-5 years	3	0.75 (0.34-14.97)	0.85	0	-	-	0			1	0.75 (0.38-14.97)	0.85
> 5 years	3	1	-	0	-	-	0			0	-	-
Discussed sex with father												
No	151	1.00 (Reference)		9	1.00 (Reference)		3	1.00 (Reference)		10	1.00 (Reference)	
Yes	24	2.07 (0.69-6.27)	0.20	4	3.16 (0.89-11.21)	0.08	1	2.14 (0.21-21.51)	0.52	1	0.61 (0.07-5.02)	0.65
Discussed sex with mother												
No	81	1.00 (Reference)		7	1.00 (Reference)		4	1.00 (Reference)		5	1.00 (Reference)	
Yes	112	1.01 (0.43-2.41)	0.97	8	0.81 (0.28-2.34)	0.70	2	0.35 (0.06-1.96)	0.23	8	1.17 (0.36-3.71)	0.79
Discussed sex anyone else												
No	56	1.00 (Reference)		2	1.00 (Reference)		0			2	1.00 (Reference)	
Yes	149	2.39 (0.78-7.20)	0.13	24	2.80 (0.62-12.74)	0.18	6	-	-	13	2.58 (0.56-11.82)	0.22
Discussed sex with who else												
Aunt	38	1.00 (Reference)		4	1.00 (Reference)		2	1.00 (Reference)		2	1.00 (Reference)	
Friend	55	1.47 (0.46-4.70)	0.52	6	1.04 (0.27-3.97)	0.95	2	0.68 (0.09-5.04)	0.71	6	2.20 (0.42-11.56)	0.35
Grandma	7	2.60 (0.40-17.48)	0.31	2	3.40 (0.49-23.65)	0.22	0	-	-	0	-	-
Healthcare professional	1	-	-	1	-	-	1	-	-	0	-	-
Neighbour	2	6.6 (0.35-123.24)	0.21	1	8.50 (0.44-163.89)	0.16	1	18.00 (0.80-408.07)	0.07	1	18.00 (0.80-406.07)	0.07
Sister	28	0.24 (0.27-2.22)	0.21	0	-	-	0	-	-	1	0.67 (0.06-7.74)	0.75
Teacher	16	0.94 (0.16-5.45)	0.94	0	-	-	0	-	-	2	2.57 (0.33-20.07)	0.37
Other	2	6.60 (0.35-123.34)	0.21	0	-	-	0	-	-	1	18.00 (0.80-406.07)	0.67