

**Supplementary Table S1. HPV genotype prevalence among 385 adolescent girls, by whether or not report having passed sexual debut**

	Report not having passed sexual debut (N=222) n (column %)	Report having passed sexual debut (N=163) n (column %)	All girls (N=385) n (column %)
<b>High risk (HR) genotypes</b>			
HPV 16	6 (2.7%)	9 (5.5%)	15 (3.9%)
HPV 18	0 (0.0%)	3 (1.8%)	3 (0.8%)
HPV 31	1 (0.5%)	2 (1.2%)	3 (0.8%)
HPV 33	0 (0.0%)	3 (1.8%)	3 (0.8%)
HPV 35	3 (1.4%)	4 (2.5%)	7 (1.8%)
HPV 39	4 (1.8%)	8 (4.9%)	12 (3.1%)
HPV 45	3 (1.4%)	2 (1.2%)	5 (1.3%)
HPV 51	2 (0.9%)	6 (3.7%)	8 (2.1%)
HPV 52	1 (0.5%)	11 (6.7%)	12 (3.1%)
HPV 56	0 (0.0%)	2 (1.2%)	2 (0.5%)
HPV 58	6 (2.7%)	5 (3.1%)	11 (2.9%)
HPV 59	1 (0.5%)	7 (4.3%)	8 (2.1%)
HPV 68	0 (0.0%)	8 (4.9%)	8 (2.1%)
Any HR infection	23 (10.4%)	47 (28.8%)	70 (18.2%)
>1 HR genotype <sup>1</sup>	3 (13.0%)	15 (31.9%)	18 (25.7%)
<b>All HR infections<sup>2</sup></b>	<b>27</b>	<b>70</b>	<b>97</b>
<b>Low risk (LR) genotypes</b>			
HPV 6	1 (0.5%)	8 (4.9%)	9 (2.3%)
HPV 11	2 (0.9%)	3 (1.8%)	5 (1.3%)
HPV 26	0 (0.0%)	1 (0.6%)	1 (0.3%)
HPV 40	1 (0.5%)	7 (4.3%)	8 (2.1%)
HPV 42	3 (1.4%)	12 (7.4%)	15 (3.9%)
HPV 53	2 (0.9%)	8 (4.9%)	10 (2.6%)
HPV 54	8 (3.6%)	6 (3.7%)	14 (3.6%)
HPV 55	1 (0.5%)	3 (1.8%)	4 (1.0%)
HPV 61	3 (1.4%)	7 (4.3%)	10 (2.6%)
HPV 62	1 (0.5%)	12 (7.4%)	13 (3.4%)
HPV 64	0 (0.0%)	0 (0.0%)	0 (0.0%)
HPV 66	1 (0.5%)	8 (4.9%)	9 (2.3%)
HPV 67	2 (0.9%)	4 (2.5%)	6 (1.6%)
HPV 69	0 (0.0%)	0 (0.0%)	0 (0.0%)
HPV 70	0 (0.0%)	3 (1.8%)	3 (0.8%)
HPV 71	0 (0.0%)	1 (0.6%)	1 (0.3%)
HPV 72	0 (0.0%)	0 (0.0%)	0 (0.0%)
HPV 73	4 (1.8%)	3 (1.8%)	7 (1.8%)
HPV 81	0 (0.0%)	2 (1.2%)	2 (0.5%)
HPV 82	0 (0.0%)	2 (1.2%)	2 (0.5%)
HPV 83	1 (0.5%)	6 (3.7%)	7 (1.8%)
HPV 84	1 (0.5%)	13 (8.0%)	14 (3.6%)
HPV 108	1 (0.5%)	3 (1.8%)	4 (1.0%)
HPV is39	1 (0.5%)	1 (0.6%)	2 (0.5%)
Any LR infection	26 (11.7%)	70 (42.9%)	96 (24.9%)
>1 LR genotype <sup>1</sup>	5 (19.2%)	29 (41.4%)	34 (35.4%)
<b>All LR infections<sup>2</sup></b>	<b>33</b>	<b>113</b>	<b>146</b>

<b>Any HPV infection</b>	41 (18.5%)	84 (51.5%)	125 (32.5%)
<b>&gt;1 HPV infection<sup>1</sup></b>	13 (31.7%)	51 (60.7%)	64 (51.2%)
<b><i>All HPV infections<sup>2</sup></i></b>	<b>60</b>	<b>183</b>	<b>243</b>

<sup>1</sup>Denominator is girls with group-specific (HR or LR) HPV infection, and any HPV infection. <sup>2</sup>Total number of group-specific (HR or LR), and total number of HPV infections, among 385 girls.

**Supplementary Table S2. Behavioural factors associated with any HPV infection among adolescent girls attending secondary school in Mwanza, Tanzania, who report having passed sexual debut**

	N with HPV / total N (%)	Crude OR (95% CI)	Adjusted OR (95% CI) <sup>1</sup>
Lifetime partners		P=0.007	P=0.01
1	56 / 123 (45.5%)	1	1
2+	28 / 40 (70.0%)	2.79 (1.30-5.99)	2.63 (1.22-5.69)
Timing of sexual debut		P=0.15	P=0.13
<1 year ago	23 / 54 (42.6%)	1	1
1 year – < 2years ago	28 / 45 (62.2%)	2.22 (0.99-4.98)	2.29 (1.01-5.21)
≥2 years ago	32 / 63 (50.8%)	1.39 (0.67-2.89)	1.44 (0.69-3.03)
Description of first sex		P=0.78	P=0.80
No or little coercion	60 / 118 (50.8%)	1	1
Coercion or force	24 / 45 (53.3%)	1.10 (0.56-2.20)	1.09 (0.54-2.19)
Age difference with first partner		P=0.07	P=0.04
Same age (+/-1 yr)	17 / 47 (36.2%)	1	1
2-4 yrs older	37 / 67 (55.2%)	2.18 (1.01-4.68)	2.68 (1.20-6.01)
5+ years older	16 / 27 (59.3%)	2.57 (0.97-6.78)	2.39 (0.88-6.50)
Don't know <sup>2</sup>	14 / 21 (66.7%)	–	–
Condom use with first partner		P=0.41	P=0.36
Always/usually	33 / 69 (47.8%)	1	1
Rarely/never	49 / 90 (54.4%)	1.30 (0.70-2.44)	1.35 (0.71-2.57)
Can't remember <sup>2</sup>	2 / 3 (66.7%)	–	–
First partner has concurrent partners		P=0.02	P=0.03
No	25 / 61 (41.0%)	1	1
Yes	21 / 32 (65.6%)	2.75 (1.13-6.70)	2.68 (1.09-6.59)
Don't know <sup>2</sup>	38 / 69 (55.1%)	–	–
Ever had sex for gifts?		P=0.90	P=0.73
No	77 / 149 (51.7%)	1	1
Yes	7 / 14 (50.0%)	0.94 (0.31-2.80)	0.82 (0.27-2.50)

<sup>1</sup>Adjusted for age (a priori) and deprivation score. <sup>2</sup>'Don't know' responses considered missing data and not included in analysis.