

Jamaica

Human Papillomavirus and Related Cancers, Fact Sheet 2017 (2017-04-19)



I. Key data on HPV and HPV-related cancers



Jamaica has a population of 1.08 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 392 women are diagnosed with cervical cancer and 185 die from the

disease. Cervical cancer ranks as the 2nd most frequent cancer among women in Jamaica and the 2nd most frequent cancer among women between 15 and 44 years of age. Data is not yet available on the HPV burden in the general population of Jamaica. However, in Caribbean, the region Jamaica belongs to, about 15.8% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 60.2% of invasive cervical cancers are attributed to HPV-16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	28.0
Anal cancer	0.4	0.9
Vulva cancer	-	0.5
Vaginal cancer	-	0.2
Penile cancer	1.2	-
Pharynx (excluding nasopharynx)	0.5	0.3

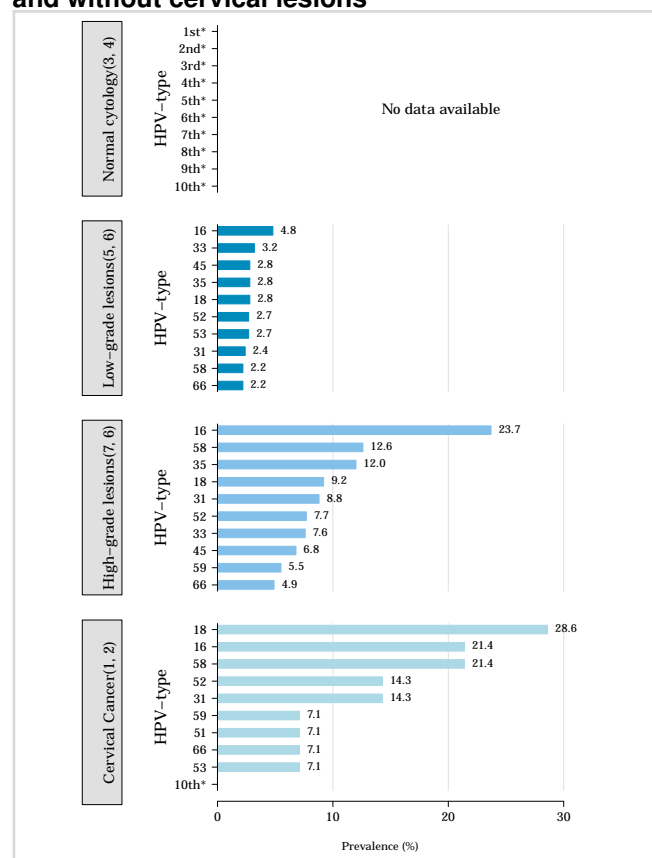
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	392	185
Crude rate	28.0	13.2
Age-standardized rate	26.3	11.9
Cumulative risk 0-74 years (%)	2.6	1.3
Ranking of cervical cancer (all years)	2nd	2nd
Ranking of cervical cancer (15-44 years)	2nd	2nd

Table 3. Burden of cervical HPV infection Jamaica

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	765	50.8 (47.3-54.4)
HPV 16/18 prevalence:		
Normal cytology	-	--
Low-grade cervical lesions	248	7.7 (5.0-11.7)
High-grade cervical lesions	249	32.9 (27.4-39.0)
Cervical cancer	14	50.0 (26.8-73.2)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Jamaica among women with and without cervical lesions



*No data available. No more types than shown were tested or were positive.

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II. Complementary data on cervical cancer prevention

Table 4. Factors contributing to cervical cancer (co-factors)

Smoking prevalence (%), women	6.2
Total fertility rate (live births per women)	1.9
Hormonal contraception use (%) (pill, injectable or implant), among women	31.8
HIV prevalence (%), adults (15-49 years)	1.6 [1.4 - 2.1]

Table 5. Sexual behaviour

MEN	
Percentage of 15-year-old who have had sexual intercourse	-
Range of median age at first sexual intercourse	13.0-15.0
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	-
Range of median age at first sexual intercourse	16.0-17.0

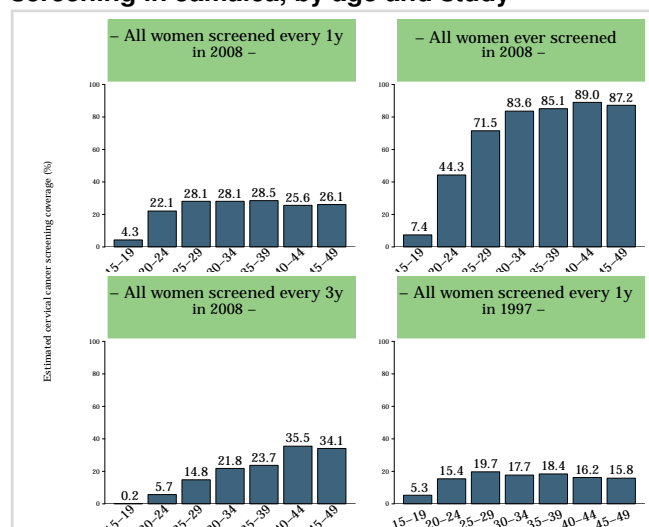
Table 6. HPV vaccine introduction

HPV vaccination programme	No Program
Date of HPV vaccination routine immunization programme start	-
HPV vaccination target age for routine immunization	-
Full course HPV vaccination coverage for routine immunization:	
% (calendar year)	-

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	17.0% (All women aged 15-49 screened every 3y, RHS 2008 Jamaica)
Screening ages (years)	25-54
Screening interval (years) or frequency of screens	3 years after 2 consecutive annual negative tests

Figure 2. Estimated coverage of cervical cancer screening in Jamaica, by age and study



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