

Belize

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



I. Key data on HPV and HPV-related cancers



Belize has a population of 122,603 women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 43 women are diagnosed with cervical cancer and 17 die from the disease.

Cervical cancer ranks as the 2nd most frequent cancer among women in Belize and the 1st 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 Belize. However, in Central America, the region Belize belongs to, about 4.7% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 63.1% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	26.2
Anal cancer	-	-
Vulva cancer	-	-
Vaginal cancer	-	-
Penile cancer	-	-
Pharynx (excluding nasopharynx)	0.6	0.0

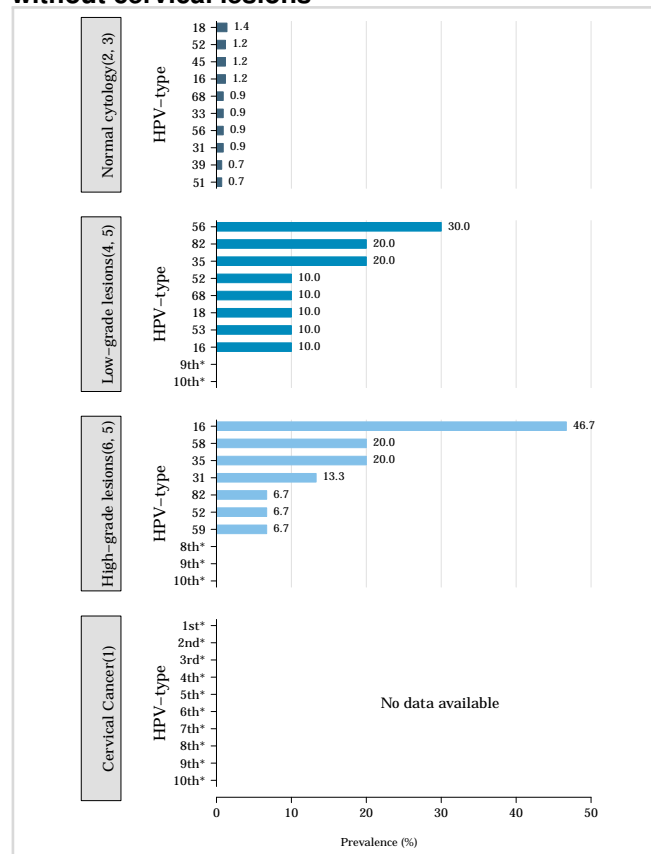
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	43	17
Crude rate	26.2	10.3
Age-standardized rate	32.7	14.9
Cumulative risk 0-74 years (%)	3.1	1.6
Ranking of cervical cancer (all years)	2nd	1st
Ranking of cervical cancer (15-44 years)	1st	1st

Table 3. Burden of cervical HPV infection Belize

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	426	10.1 (7.6-13.3)
HPV 16/18 prevalence:		
Normal cytology	426	2.6 (1.4-4.6)
Low-grade cervical lesions	10	20.0 (5.7-51.0)
High-grade cervical lesions	15	46.7 (24.8-69.9)
Cervical cancer	-	-

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Belize 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	-
Total fertility rate (live births per women)	3.4
Hormonal contraception use (%) (pill, injectable or implant), among women	24.0
HIV prevalence (%), adults (15-49 years)	1.2 [1.0 - 3.4]

Table 5. Sexual behaviour

MEN	
Percentage of 15-year-old who have had sexual intercourse	-
Range of median age at first sexual intercourse	14.8-18.2
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	-
Range of median age at first sexual intercourse	15.6-18.5

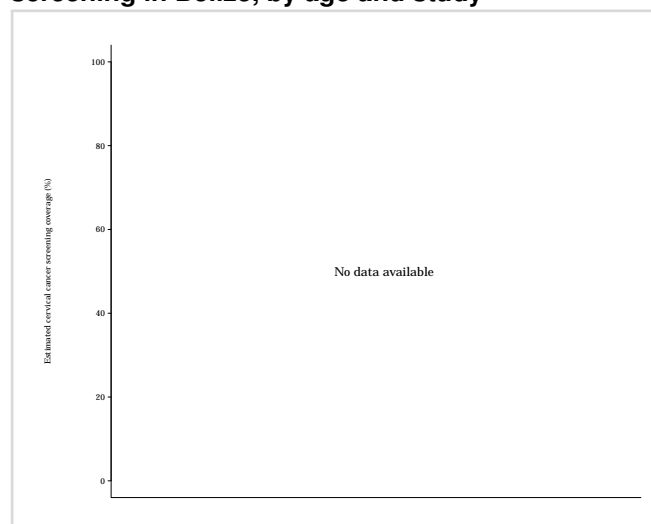
Table 6. HPV vaccine introduction

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2014
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)	37.3% (All women aged 13-49 ever screened, Family Health Survey 1999 Belize)
Screening ages (years)	21-55
Screening interval (years) or frequency of screens	3 years after 3 consecutive annual negative tests

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



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