

# Brunei

## Human Papillomavirus and Related Cancers, Fact Sheet 2018 (2018-12-10)

### I. Key data on HPV and HPV-related cancers



Brunei has a population of 157,660 women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 52 women are diagnosed with cervical cancer and 14 die from the disease.

Cervical cancer ranks as the 2nd most frequent cancer among women in Brunei 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 Brunei. However, in South-Eastern Asia, the region Brunei belongs to, about 3.0% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 70.4% of invasive cervical cancers are attributed to HPVs 16 or 18.

**Table 1. Crude incidence rates of HPV-related cancers**

	Male	Female
Cervical cancer	-	24.7
Anal cancer	0.4	0.2
Vulva cancer	-	0.9
Vaginal cancer	-	0.2
Penile cancer	0.2	-
Oropharynx	-	-

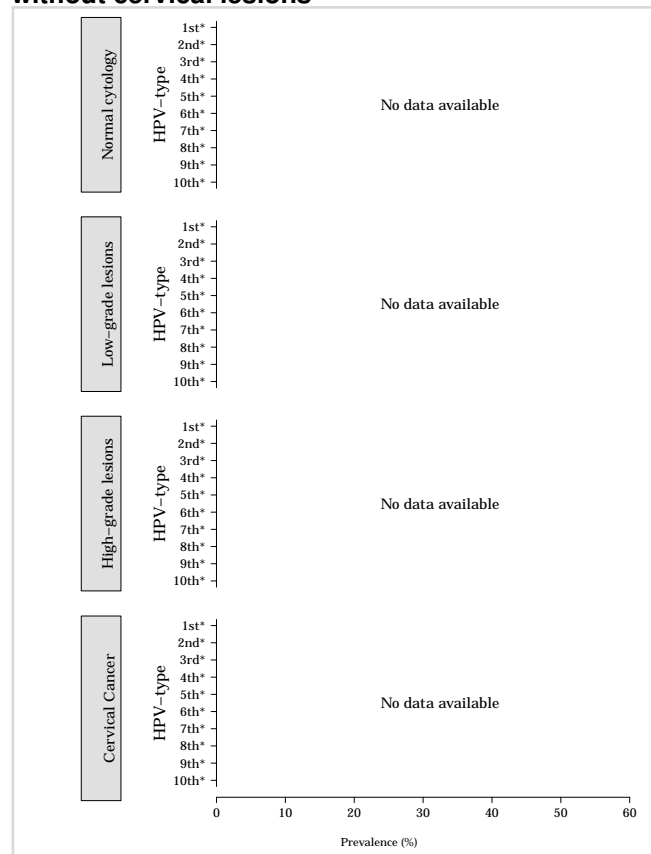
**Table 2. Burden of cervical cancer**

	Incidence	Mortality
Annual number of new cases/deaths	52	14
Crude rate	24.7	6.6
Age-standardized rate	20.6	6.1
Cumulative risk 0-74 years (%)	2.1	0.8
Ranking of cervical cancer (all years)	2nd	3rd
Ranking of cervical cancer (15-44 years)	2nd	1st

**Table 3. Burden of cervical HPV infection Brunei**

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	-	--
HPV 16/18 prevalence:		
Normal cytology	-	--
Low-grade cervical lesions	-	--
High-grade cervical lesions	-	--
Cervical cancer	-	--

**Figure 1. Comparison of the ten most frequent HPV oncogenic types in Brunei 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	3.3 [1.3-5.9]
Total fertility rate (live births per women)	1.7
Hormonal contraception use (%) (pill, injectable or implant), among women	-
HIV prevalence (%), adults (15-49 years)	-

**Table 5. Sexual behaviour**

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

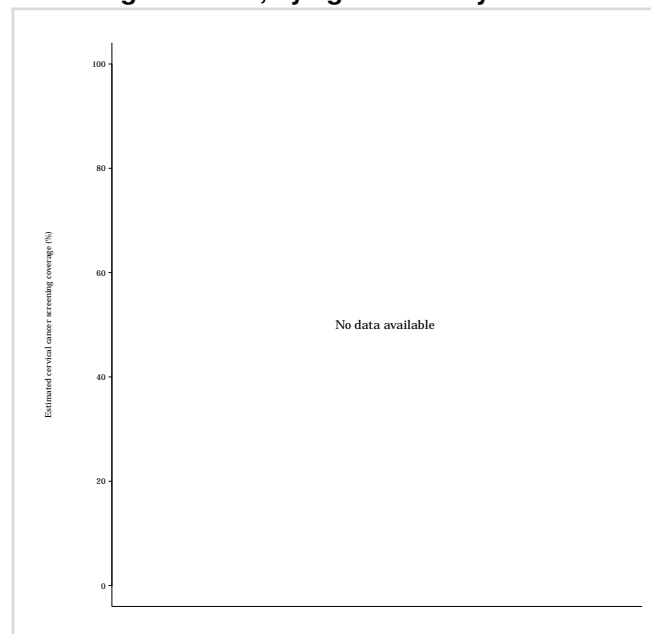
**Table 6. HPV vaccine introduction**

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2012

**Table 7. Cervical screening practices and recommendations**

Cervical cancer screening coverage, % (age and screening interval, reference)	44.0% (women aged >15 screened every 5y, Affandi 1993)
Screening ages (years)	22-65
Screening interval (years) or frequency of screens	3 years

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



<sup>a</sup> Proportion of women in the total sample of the mentioned age range in the country or region that reported having a Pap smear during a given time period (e.g., last year, last 2, 3, 5 years or ever).

#### Contact information:

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