

Indonesia

Human Papillomavirus and Related Cancers, Fact Sheet 2017 (2017-07-27)

I. Key data on HPV and HPV-related cancers



Indonesia has a population of 93.15 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 20928 women are diagnosed with cervical cancer and 9498 die

from the disease. Cervical cancer ranks as the 2nd most frequent cancer among women in Indonesia and the 2nd most frequent cancer among women between 15 and 44 years of age. About 4.0% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 87.0% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	17.0
Anal cancer	-	-
Vulva cancer	-	-
Vaginal cancer	-	-
Penile cancer	-	-
Pharynx (excluding nasopharynx)	1.2	0.5

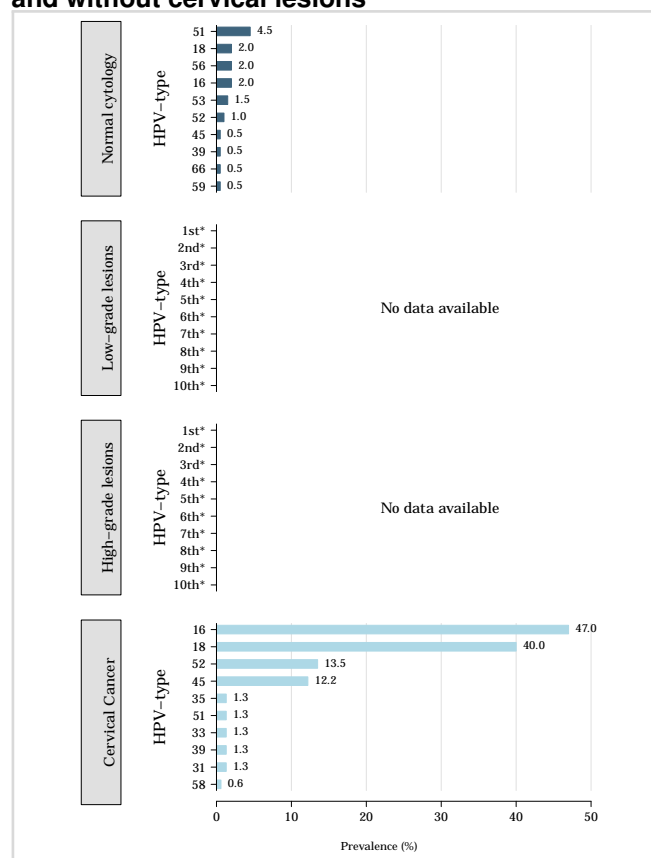
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	20928	9498
Crude rate	17.0	7.7
Age-standardized rate	17.3	8.1
Cumulative risk 0-74 years (%)	1.9	1.0
Ranking of cervical cancer (all years)	2nd	2nd
Ranking of cervical cancer (15-44 years)	2nd	2nd

Table 3. Burden of cervical HPV infection Indonesia

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	301	26.2 (21.6-31.5)
HPV 16/18 prevalence:		
Normal cytology	200	4.0 (2.0-7.7)
Low-grade cervical lesions	-	--
High-grade cervical lesions	-	--
Cervical cancer	230	87.0 (82.0-90.7)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Indonesia 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	3.8 [3.0-4.8]
Total fertility rate (live births per women)	2.6
Hormonal contraception use (%) (pill, injectable or implant), among women	49.4
HIV prevalence (%), adults (15-49 years)	0.5 [0.4 - 0.6]

Table 5. Sexual behaviour

MEN	
Percentage of 15-year-old who have had sexual intercourse	-
Range of median age at first sexual intercourse	23.1-24.6
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	-
Range of median age at first sexual intercourse	19.0-21.8

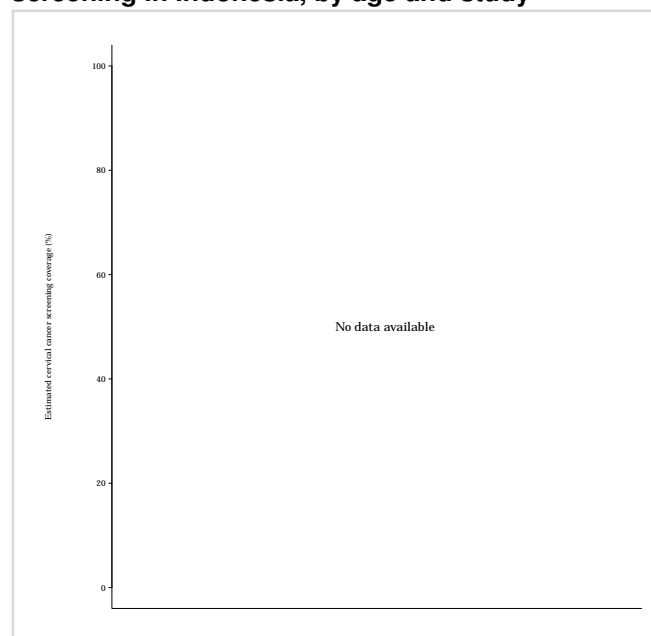
Table 6. HPV vaccine introduction

HPV vaccination programme	Pilot
Date of HPV vaccination routine immunization programme start	-

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	24.4% (All women aged 30-50 screened every 5y, Kim 2013)
Screening ages (years)	30-50
Screening interval (years) or frequency of screens	5 years

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



^a 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).

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