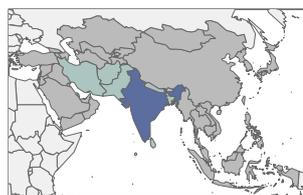


India

Human Papillomavirus and Related Cancers, Fact Sheet 2023 (2023-03-10)

I. Key data on HPV and HPV-related cancers



India has a population of 511.4 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 123907 women are diagnosed with cervical cancer and 77348 die from the disease. Cervical cancer ranks as

the 2nd most frequent cancer among women in India and the 2nd most frequent cancer among women between 15 and 44 years of age. About 5.0% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 83.2% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	18.7
Anal cancer	0.43	0.35
Vulva cancer	-	0.52
Vaginal cancer	-	0.83
Penile cancer	1.49	-
Oropharyngeal cancer	2.40	0.52
Oral cavity cancer	14.6	4.72
Laryngeal cancer	4.21	0.68

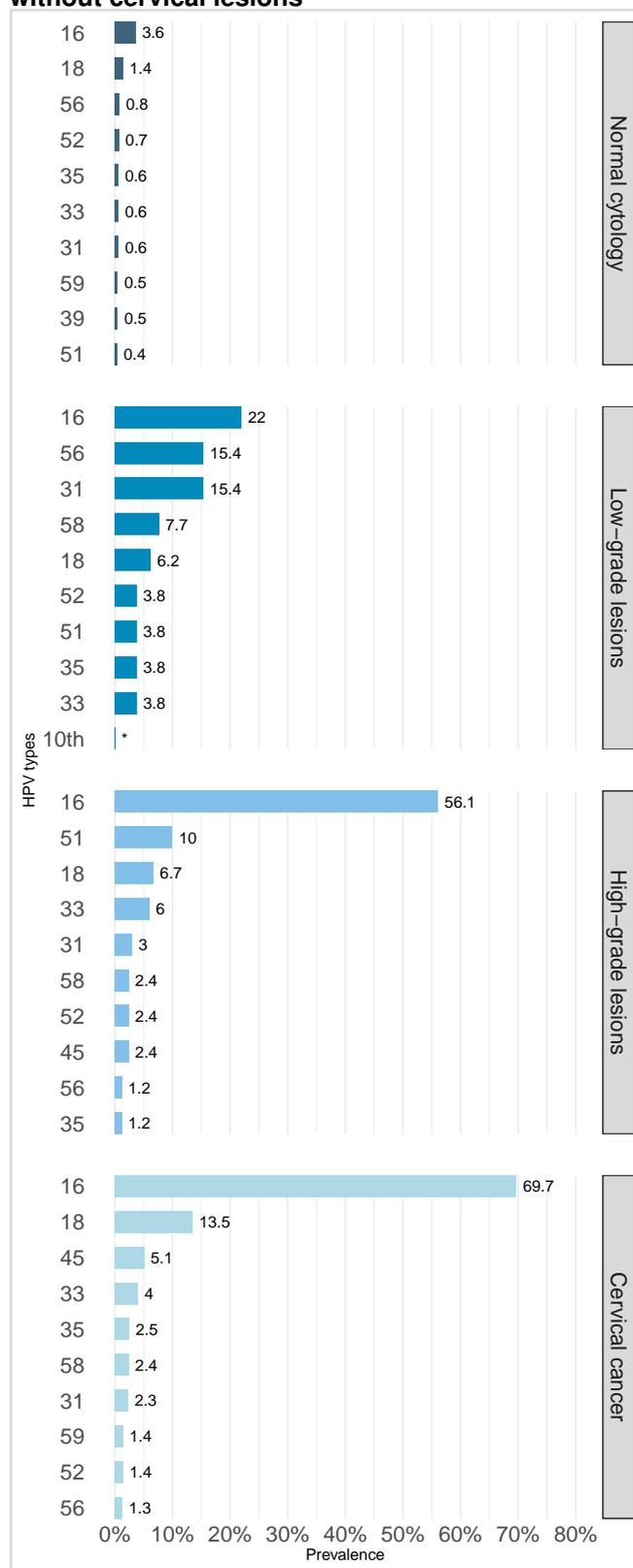
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	123907	77348
Crude rate	18.7	11.7
Age-standardized rate	18.0	11.4
Cumulative risk 0-74 years (%)	2.01	1.30
Ranking of cervical cancer (all years)	2nd	2nd
Ranking of cervical cancer (15-44 years)	2nd	2nd

Table 3. Burden of cervical HPV infection India

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	8845	5.0 (4.6-5.5)
Low-grade cervical lesions	177	28.2 (22.1-35.3)
High-grade cervical lesions	253	62.8 (56.7-68.6)
Cervical cancer	2006	83.2 (81.5-84.8)

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



For data sources and further data on HPV infection in cancer sites other than the cervix, please refer to the specific country full report.

India

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II. Complementary data on cervical cancer prevention

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

Smoking prevalence (%) [95% UI], women	1.7 [1.3-2.2]
Total fertility rate (live births per women)	2.3
Hormonal contraception use (%)	4.10
HIV prevalence (%) [95% UI] (15-49 years)	- [—]

Table 5. Sexual behaviour

MEN	
Percentage of 15-year-old who have had sexual intercourse	2.7
Range of median age at first sexual intercourse	-
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	8.0
Range of median age at first sexual intercourse	17.8

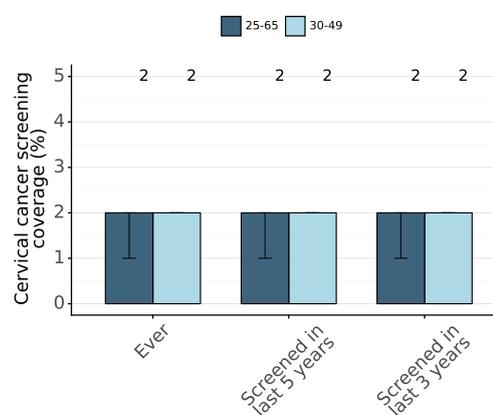
Table 6. HPV vaccine introduction

Females	
HPV vaccination programme	Not Available/Not Introduced
Year of introduction	-
Year of estimation	-
HPV coverage – first dose (%)	-
HPV coverage – last dose (%)	-
Males	
HPV vaccination programme	Not Available/Not Introduced
Year of introduction	-
Year of estimation	-
HPV coverage – first dose (%)	-
HPV coverage – last dose (%)	-

Table 7. Cervical screening practices and recommendations

Existence of official national recommendations	Yes
Starting year of recommendations	2016
Active invitation to screening	No
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	30-65 (VIA, 5 years)

Figure 2. Estimated coverage of cervical cancer screening in India*



* Estimated coverage and 95% confidence interval in 2019

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