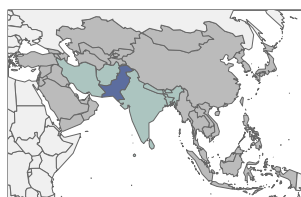


Pakistan

Human Papillomavirus and Related Cancers, Fact Sheet 2021 (2021-10-22)

I. Key data on HPV and HPV-related cancers



Pakistan has a population of 68.6 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 5008 women are diagnosed with cervical cancer and 3197 die from the disease.

Cervical cancer ranks as the

3rd most frequent cancer among women in Pakistan and the 2nd most frequent cancer among women between 15 and 44 years of age. About 0.5% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 88.1% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	4.67
Anal cancer	0.34	0.17
Vulva cancer	-	0.22
Vaginal cancer	-	0.26
Penile cancer	0.29	-
Oropharyngeal cancer	0.79	0.24
Oral cavity cancer	10.0	5.19
Laryngeal cancer	3.23	0.65

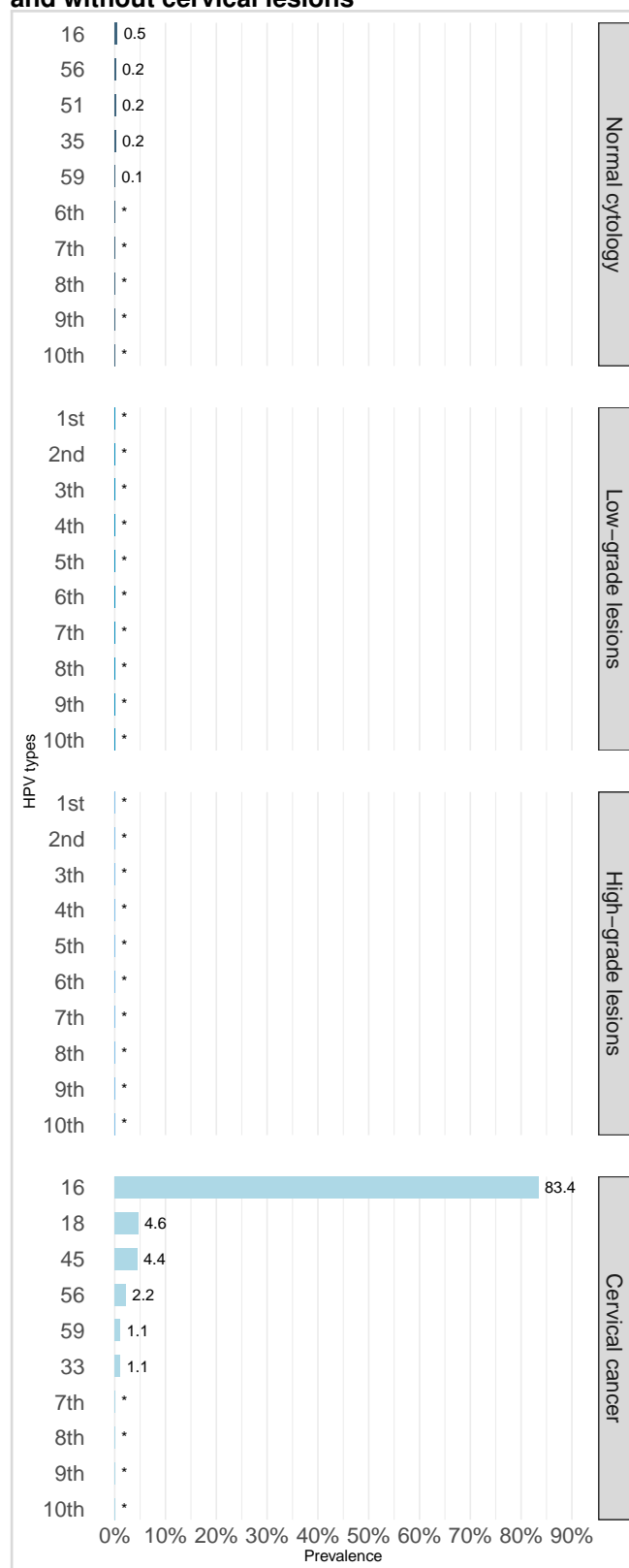
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	5008	3197
Crude rate	4.67	2.98
Age-standardized rate	6.06	3.99
Cumulative risk 0-74 years (%)	0.68	0.46
Ranking of cervical cancer (all years)	3rd	5th
Ranking of cervical cancer (15-44 years)	2nd	3rd

Table 3. Burden of cervical HPV infection Pakistan

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	877	0.5 (0.2-1.2)
Low-grade cervical lesions	-	-
High-grade cervical lesions	-	-
Cervical cancer	151	88.1 (81.9-92.3)

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



Pakistan

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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	2.6 [1.7-3.5]
Total fertility rate (live births per women)	3.4
Hormonal contraception use (%)	1.70
HIV prevalence (%) [95% UI] (15-49 years)	<0.1 [<0.1 -0.1]

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	-

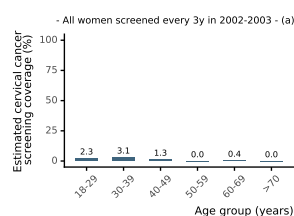
Table 6. HPV vaccine introduction in females

HPV vaccination programme	Not Available, Not Introduced/No Plans
Year of introduction	-
HPV coverage – first dose (%) (estimation year 2019)	-
HPV coverage – last dose (%) (estimation year 2019)	-
HPV coverage – first dose (%) (estimation year 2020)	-
HPV coverage – last dose (%) (estimation year 2020)	-

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	2.3% (All women aged 25-64 screened every 3y, WHS 2003 Pakistan)
Screening ages (years)	30-60
Screening interval (years) or frequency of screens	5 years

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



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