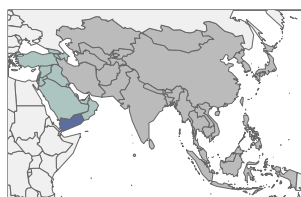


# Yemen



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

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



Yemen has a population of 10.0 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 225 women are diagnosed with cervical cancer and 153 die from the disease. Cervical cancer ranks as the 12th

most frequent cancer among women in Yemen and the 8th 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 Yemen. However, in Western Asia, the region Yemen belongs to, about 2.5% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 72.4% of invasive cervical cancers are attributed to HPVs 16 or 18.

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

	Male	Female
Cervical cancer	-	1.52
Anal cancer	0.11	0.05
Vulva cancer	-	0.11
Vaginal cancer	-	0.24
Penile cancer	0	-
Oropharyngeal cancer	0.09	0.30
Oral cavity cancer	0.77	1.09
Laryngeal cancer	2.08	0.11

**Table 2. Burden of cervical cancer**

	Incidence	Mortality
Annual number of new cases/deaths	225	153
Crude rate	1.52	1.03
Age-standardized rate	2.48	1.77
Cumulative risk 0-74 years (%)	0.29	0.21
Ranking of cervical cancer (all years)	12th	12th
Ranking of cervical cancer (15-44 years)	8th	10th

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

	No. Tested	% (95% CI)
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 Yemen among women with and without cervical lesions**



# Yemen

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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	7.1 [4-10.8]
Total fertility rate (live births per women)	3.8
Hormonal contraception use (%)	11.6
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	-

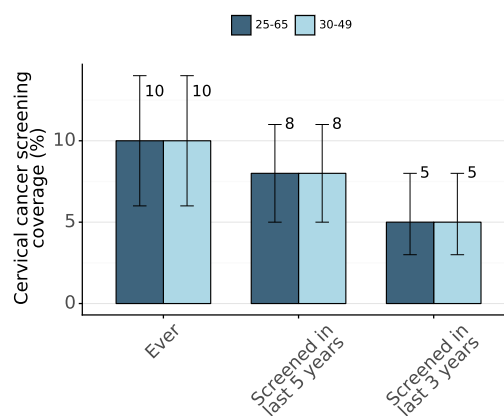
**Table 6. HPV vaccine introduction**

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	No
Starting year of recommendations	-
Active invitation to screening	-
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	-

**Figure 2. Estimated coverage of cervical cancer screening in Yemen\***



\* Estimated coverage and 95% confidence interval in 2019

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