

Turkmenistan

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



I. Key data on HPV and HPV-related cancers



Turkmenistan has a population of 2.25 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 461 women are diagnosed with cervical cancer and 265 die from the disease.

Cervical cancer ranks as the 2nd most frequent cancer among women in Turkmenistan 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 Turkmenistan. However, in Asia, about 3.4% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 68.9% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	15.1
Anal cancer	0.74	0.69
Vulva cancer	-	0.52
Vaginal cancer	-	0.23
Penile cancer	0.07	-
Oropharyngeal cancer	1.25	0.62
Oral cavity cancer	4.08	1.37
Laryngeal cancer	1.99	0.39

Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	461	265
Crude rate	15.1	8.65
Age-standardized rate	14.9	8.91
Cumulative risk 0-74 years (%)	1.53	0.97
Ranking of cervical cancer (all years)	2nd	2nd
Ranking of cervical cancer (15-44 years)	2nd	2nd

Table 3. Burden of cervical HPV infection Turkmenistan

	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 Turkmenistan among women with and without cervical lesions

No data available

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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	- [—]
Total fertility rate (live births per women)	2.8
Hormonal contraception use (%)	1
HIV prevalence (%) [95% UI] (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	20.2 - 22.2

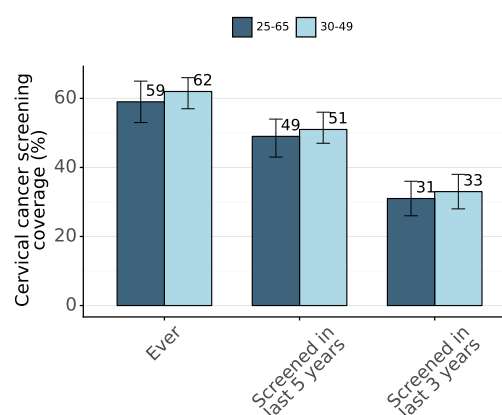
Table 6. HPV vaccine introduction

Females	
HPV vaccination programme	Introduced
Year of introduction	2016
Year of estimation	2021
HPV coverage – first dose (%)	99
HPV coverage – last dose (%)	99
Males	
HPV vaccination programme	Introduced
Year of introduction	2016
Year of estimation	2021
HPV coverage – first dose (%)	99
HPV coverage – last dose (%)	99

Table 7. Cervical screening practices and recommendations

Existence of official national recommendations	Yes
Starting year of recommendations	2018
Active invitation to screening	No
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	21-69 (cytology, 3 years)

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



* Estimated coverage and 95% confidence interval in 2019

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