Hungary



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

I. Key data on HPV and HPV-related cancers



Hungary has a population of 4.36 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 1251 women are diagnosed with cervical cancer and 482 die from the disease.

Cervical cancer ranks as the 6th most frequent cancer among women in Hungary and the 3rd 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 Hungary. However, in Eastern Europe, the region Hungary belongs to, about 9.7% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 84.7% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	24.7
Anal cancer	0.26	0.59
Vulva cancer	-	4.84
Vaginal cancer	-	1.21
Penile cancer	1.63	-
Oropharyngeal cancer	8.16	2.98
Oral cavity cancer	17.2	7.13
Laryngeal cancer	14.4	3.22

Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	1251	482
Crude rate	24.7	9.52
Age-standarized rate	17.2	4.92
Cumulative risk 0-74 years (%)	1.64	0.53
Ranking of cervical cancer (all years)	6th	7th
Ranking of cervical cancer (15-44 years)	3rd	3rd

Table 3. Burden of cervical HPV infection Hungary

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	-	-
Low-grade cervical lesions	-	-
High-grade cervical lesions	75	61.3 (50.0-71.5)
Cervical cancer	38	94.7 (82.7-98.5)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Hungary 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 (cofactors)

Smoking prevalence (%) [95% UI], women 23.1 [16.8-30]

Total fertility rate (live births per women) 1.4

Hormonal contraception use (%) 15.7

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	29.0
Range of median age at first sexual intercourse	
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	27.0
Range of median age at first sexual intercourse	-

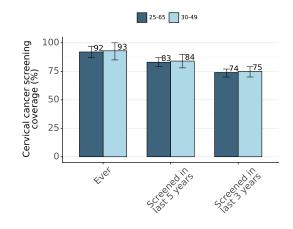
Table 6. HPV vaccine introduction

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Females	
HPV vaccination programme	Introduced
Year of introduction	2014
Year of estimation	2021
HPV coverage – first dose (%)	78
HPV coverage – last dose (%)	82
Males	
HPV vaccination programme	Introduced
Year of introduction	2020
Year of estimation	2021
HPV coverage – first dose (%)	64
HPV coverage – last dose (%)	69

Table 7. Cervical screening practices and recommendations

Existence of official national rec-	Yes		
ommendations			
Starting year of recommendations	2003		
Active invitation to screening	Yes		
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	25-65 years)	(cytology,	3

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



^{*} Estimated coverage and 95% confidence interval in 2019

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