

# Slovakia

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



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



Slovakia has a population of 2.36 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 698 women are diagnosed with cervical cancer and 284 die from the disease.

Cervical cancer ranks as the 5th most frequent cancer among women in Slovakia 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 Slovakia. However, in Eastern Europe, the region Slovakia 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	-	24.9
Anal cancer	0.98	1.00
Vulva cancer	-	3.64
Vaginal cancer	-	0.86
Penile cancer	1.84	-
Oropharyngeal cancer	10.3	1.29
Oral cavity cancer	17.5	4.03
Laryngeal cancer	14.2	0.79

**Table 2. Burden of cervical cancer**

	Incidence	Mortality
Annual number of new cases/deaths	698	284
Crude rate	24.9	10.1
Age-standardized rate	16.6	5.35
Cumulative risk 0-74 years (%)	1.66	0.59
Ranking of cervical cancer (all years)	5th	7th
Ranking of cervical cancer (15-44 years)	2nd	2nd

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

	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 Slovakia among women with and without cervical lesions**



# Slovakia

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



### II. Complementary data on cervical cancer prevention

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

Smoking prevalence (%) [95% UI], women	21 [13.6-30.1]
Total fertility rate (live births per women)	1.5
Hormonal contraception use (%)	22.3
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	18.0
Range of median age at first sexual intercourse	-
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	14.0
Range of median age at first sexual intercourse	-

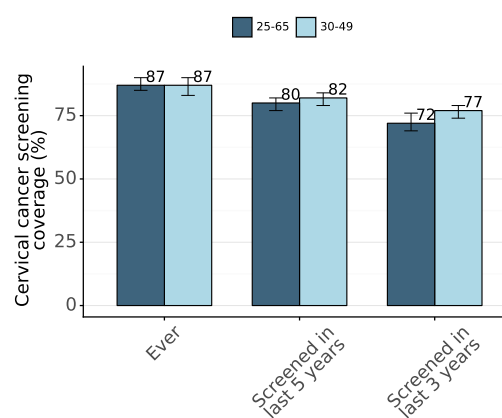
**Table 6. HPV vaccine introduction**

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	Yes
Starting year of recommendations	2020
Active invitation to screening	No
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	23-64 (cytology, 3 years)

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



\* Estimated coverage and 95% confidence interval in 2019

#### Contact information:

ICO/IARC HPV Information Centre  
 Institut Català d'Oncologia  
 Avda. Gran Via de l'Hospitalet, 199-203  
 08908 L'Hospitalet de Llobregat (Barcelona, Spain)  
[info@hpvcentre.net](mailto:info@hpvcentre.net)  
[www.hpvcentre.net](http://www.hpvcentre.net)