

# Romania

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



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



Romania has a population of 8.45 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 3380 women are diagnosed with cervical cancer and 1805 die from the disease.

Cervical cancer ranks as the 3rd most frequent cancer among women in Romania 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 Romania. However, in Eastern Europe, the region Romania 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	-	34.2
Anal cancer	1.13	1.37
Vulva cancer	-	4.97
Vaginal cancer	-	0.56
Penile cancer	2.10	-
Oropharyngeal cancer	12.7	1.64
Oral cavity cancer	17.2	3.26
Laryngeal cancer	19.3	1.21

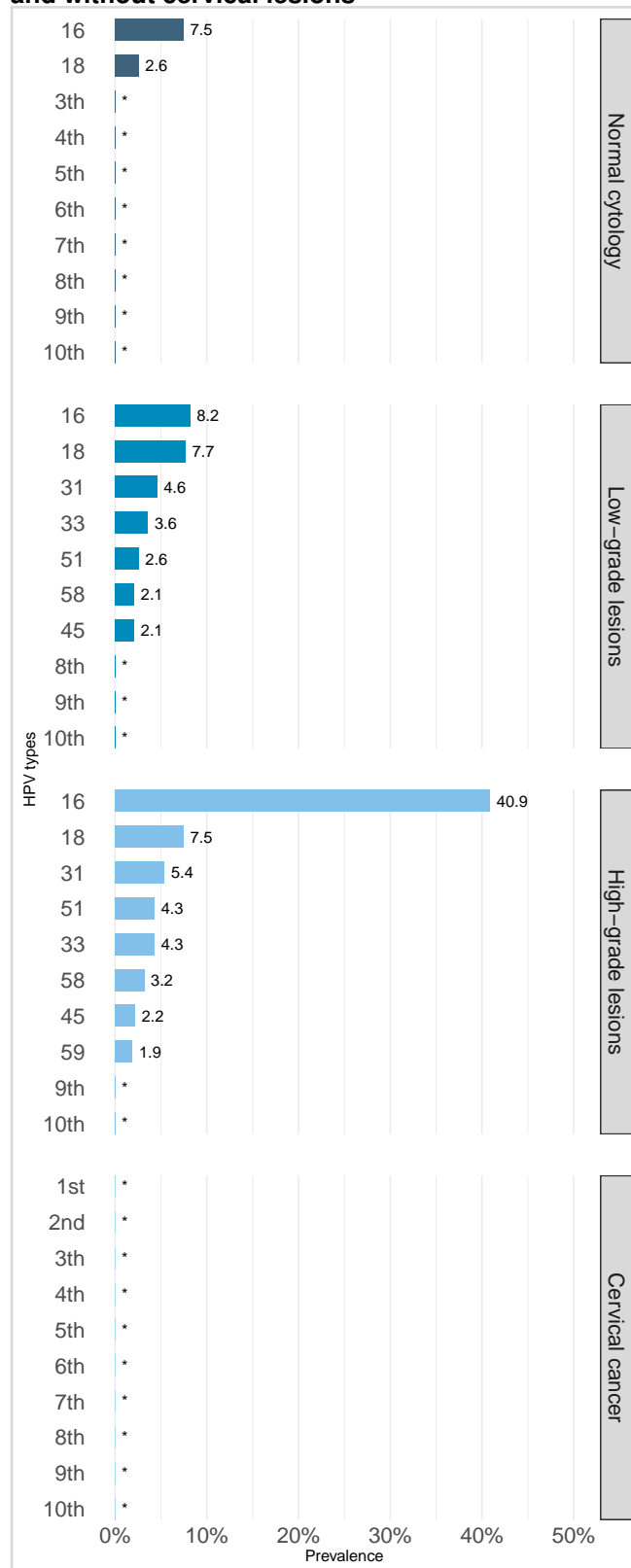
**Table 2. Burden of cervical cancer**

	Incidence	Mortality
Annual number of new cases/deaths	3380	1805
Crude rate	34.2	18.3
Age-standardized rate	22.6	9.57
Cumulative risk 0-74 years (%)	2.31	1.08
Ranking of cervical cancer (all years)	3rd	4th
Ranking of cervical cancer (15-44 years)	2nd	2nd

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

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	801	10.1 (8.2-12.4)
Low-grade cervical lesions	194	16.0 (11.5-21.8)
High-grade cervical lesions	93	48.4 (38.5-58.4)
Cervical cancer	-	-

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



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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	20.1 [14.7-26.2]
Total fertility rate (live births per women)	1.5
Hormonal contraception use (%)	16.2
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	33.0
Range of median age at first sexual intercourse	-
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	12.0
Range of median age at first sexual intercourse	19.5 - 20.5

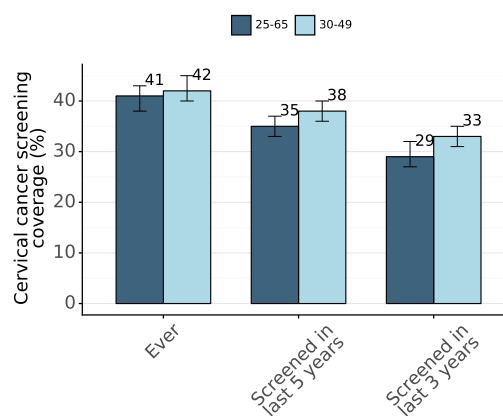
**Table 6. HPV vaccine introduction**

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	2012
Active invitation to screening	No
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	25-64 (cytology, 5 years)

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



\* Estimated coverage and 95% confidence interval in 2019

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