

# Lithuania

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

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



Lithuania has a population of 1.26 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 412 women are diagnosed with cervical cancer and 193 die from the disease.

Cervical cancer ranks as the 4th most frequent cancer among women in Lithuania and the 2nd most frequent cancer among women between 15 and 44 years of age. About 6.1% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 62.8% of invasive cervical cancers are attributed to HPVs 16 or 18.

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

	Male	Female
Cervical cancer	-	28.2
Anal cancer	0.95	1.16
Vulva cancer	-	4.24
Vaginal cancer	-	0.96
Penile cancer	2.06	-
Oropharyngeal cancer	5.56	0.68
Oral cavity cancer	11.4	3.35
Laryngeal cancer	11.9	0.82

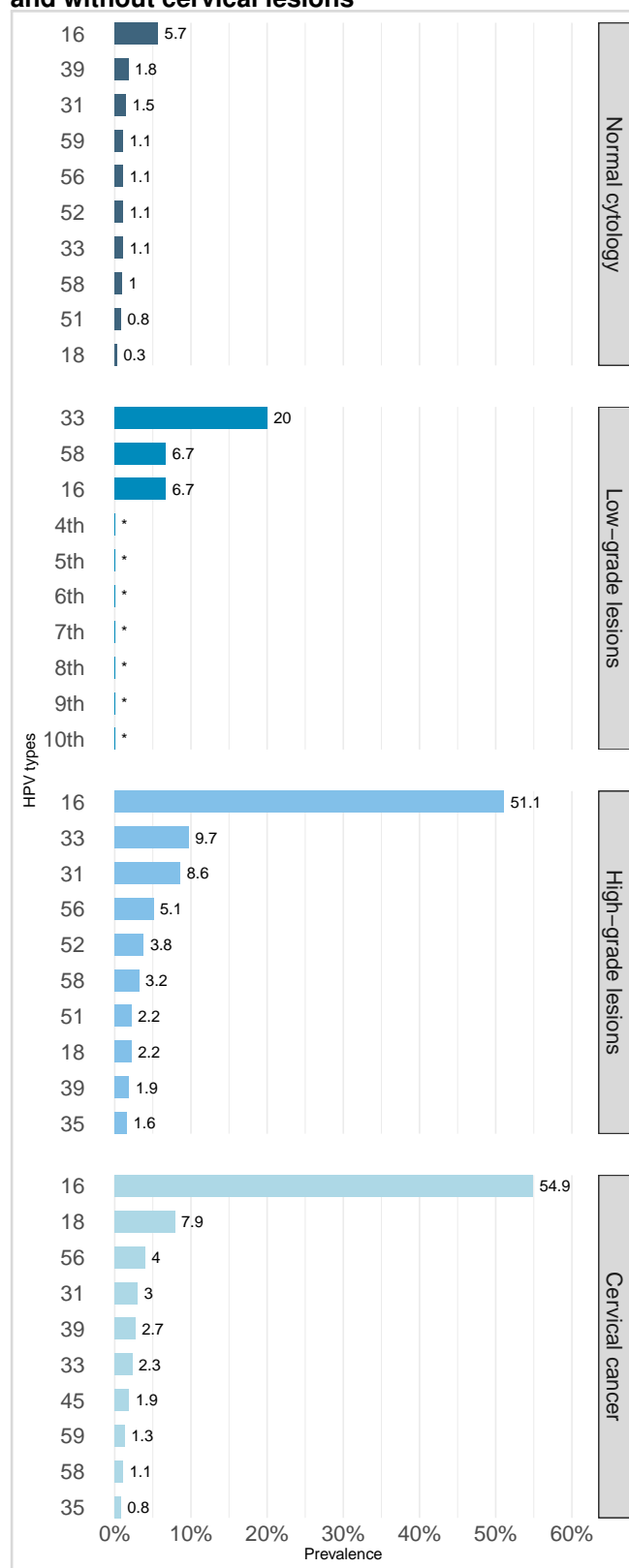
**Table 2. Burden of cervical cancer**

	Incidence	Mortality
Annual number of new cases/deaths	412	193
Crude rate	28.2	13.2
Age-standardized rate	18.7	6.67
Cumulative risk 0-74 years (%)	1.83	0.73
Ranking of cervical cancer (all years)	4th	7th
Ranking of cervical cancer (15-44 years)	2nd	2nd

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

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	609	6.1 (4.4-8.3)
Low-grade cervical lesions	15	6.7 (1.2-29.8)
High-grade cervical lesions	186	53.2 (46.1-60.3)
Cervical cancer	266	62.8 (56.8-68.4)

**Figure 1. Comparison of the ten most frequent HPV oncogenic types in Lithuania 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	17 [13.4-21.1]
Total fertility rate (live births per women)	1.7
Hormonal contraception use (%)	18.0
HIV prevalence (%) [95% UI] (15-49 years)	- [—]

**Table 5. Sexual behaviour**

MEN	
Percentage of 15-year-old who have had sexual intercourse	22.0
Range of median age at first sexual intercourse	-
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	7.0
Range of median age at first sexual intercourse	-

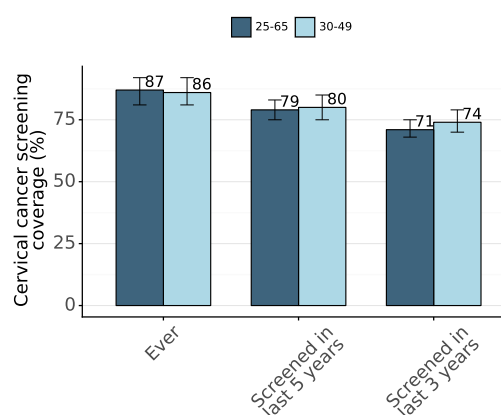
**Table 6. HPV vaccine introduction**

Females	
HPV vaccination programme	Introduced
Year of introduction	2016
Year of estimation	2021
HPV coverage – first dose (%)	61
HPV coverage – last dose (%)	66
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	2008
Active invitation to screening	Yes
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	25-60 (cytology, 3 years)

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



\* 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)