

# Luxembourg

Human Papillomavirus and Related Cancers, Fact Sheet 2021 (2021-10-22)



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



Luxembourg has a population of 257,399 women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 24 women are diagnosed with cervical cancer and 10 die from the disease. Cer-

vical cancer ranks as the 11th most frequent cancer among women in Luxembourg and the 4th 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 Luxembourg. However, in Western Europe, the region Luxembourg belongs to, about 2.6% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 78.7% of invasive cervical cancers are attributed to HPVs 16 or 18.

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

	Male	Female
Cervical cancer	-	7.76
Anal cancer	1.26	0.97
Vulva cancer	-	2.91
Vaginal cancer	-	0.32
Penile cancer	2.84	-
Oropharyngeal cancer	5.69	0.65
Oral cavity cancer	11.1	3.23
Laryngeal cancer	8.21	1.29

**Table 2. Burden of cervical cancer**

	Incidence	Mortality
Annual number of new cases/deaths	24	10
Crude rate	7.76	3.23
Age-standardized rate	5.18	1.79
Cumulative risk 0-74 years (%)	0.50	0.22
Ranking of cervical cancer (all years)	11th	14th
Ranking of cervical cancer (15-44 years)	4th	14th

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

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	-	-
Low-grade cervical lesions	-	-
High-grade cervical lesions	-	-
Cervical cancer	58	89.7 (79.2-95.2)

**Figure 1. Comparison of the ten most frequent HPV oncogenic types in Luxembourg 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 [15.2-24.6]
Total fertility rate (live births per women)	1.6
Hormonal contraception use (%)	-
HIV prevalence (%) [95% UI] (15-49 years)	0.2 [0.1-0.2]

**Table 5. Sexual behaviour**

MEN	
Percentage of 15-year-old who have had sexual intercourse	25.0
Range of median age at first sexual intercourse	-
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	21.0
Range of median age at first sexual intercourse	-

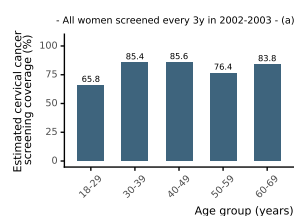
**Table 6. HPV vaccine introduction in females**

HPV vaccination programme	Introduced
Year of introduction	2008
HPV coverage – first dose (%) (estimation year 2019)	37
HPV coverage – last dose (%) (estimation year 2019)	14
HPV coverage – first dose (%) (estimation year 2020)	-
HPV coverage – last dose (%) (estimation year 2020)	-

**Table 7. Cervical screening practices and recommendations**

Cervical cancer screening coverage, % (age and screening interval, reference)	55.0% (All women aged 20-69 screened every 1y, EUROSTAT Luxembourg)
Screening ages (years)	Above 15
Screening interval (years) or frequency of screens	1 year

**Figure 2. Estimated coverage of cervical cancer screening in Luxembourg, by age and study**



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