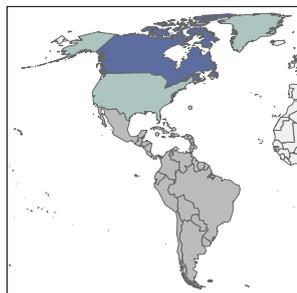


Canada

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



I. Key data on HPV and HPV-related cancers



Canada has a population of 16.3 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 1422 women are diagnosed with cervical cancer and 637 die from the disease. Cervical cancer ranks as the 14th most frequent cancer among women in Canada and the 4th most frequent cancer

among women between 15 and 44 years of age. About 6.2% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 74.0% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	7.48
Anal cancer	1.22	2.79
Vulva cancer	-	4.91
Vaginal cancer	-	0.95
Penile cancer	1.21	-
Oropharyngeal cancer	5.42	1.22
Oral cavity cancer	11.1	4.77
Laryngeal cancer	4.46	0.79

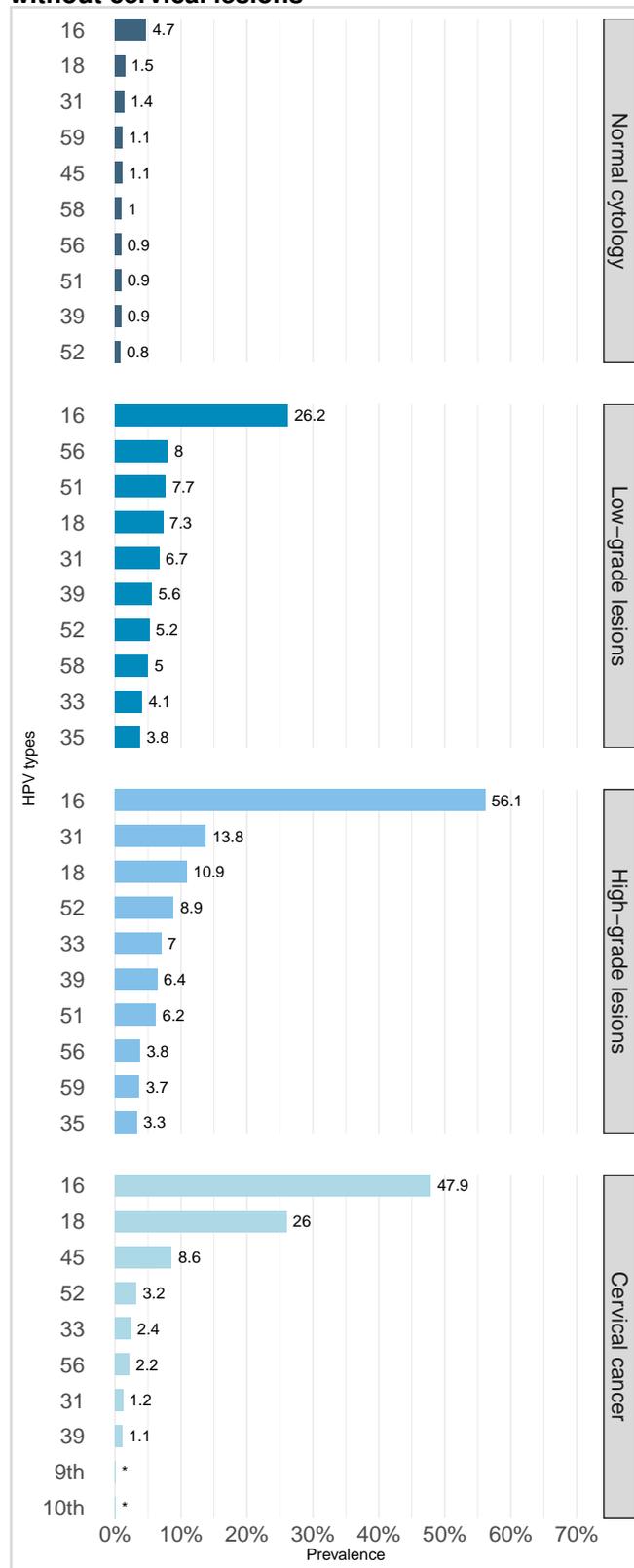
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	1422	637
Crude rate	7.48	3.35
Age-standardized rate	5.53	1.93
Cumulative risk 0-74 years (%)	0.52	0.20
Ranking of cervical cancer (all years)	14th	15th
Ranking of cervical cancer (15-44 years)	4th	3rd

Table 3. Burden of cervical HPV infection Canada

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	17899	6.2 (5.9-6.6)
Low-grade cervical lesions	1688	33.5 (31.3-35.8)
High-grade cervical lesions	754	67.0 (63.5-70.2)
Cervical cancer	169	74.0 (66.9-80.0)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Canada 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	11.4 [9.6-13.4]
Total fertility rate (live births per women)	1.6
Hormonal contraception use (%)	43.7
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	21.0
Range of median age at first sexual intercourse	16.0

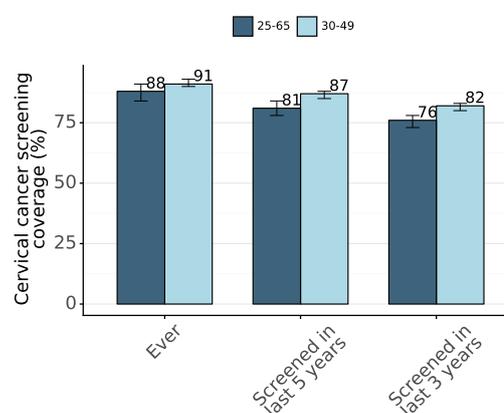
Table 6. HPV vaccine introduction

Females	
HPV vaccination programme	Introduced
Year of introduction	2008
Year of estimation	2021
HPV coverage – first dose (%)	87
HPV coverage – last dose (%)	87
Males	
HPV vaccination programme	Introduced
Year of introduction	2017
Year of estimation	2021
HPV coverage – first dose (%)	73
HPV coverage – last dose (%)	73

Table 7. Cervical screening practices and recommendations

Existence of official national recommendations	Yes
Starting year of recommendations	2016
Active invitation to screening	Yes
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	Varies by region. Please see full country report for detail by region. For example, Alberta: 25-69 (cytology, 3 years).

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



* Estimated coverage and 95% confidence interval in 2019

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