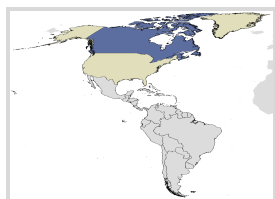


Canada

Human Papillomavirus and Related Cancers, Fact Sheet 2017 (2017-07-27)



I. Key data on HPV and HPV-related cancers



Canada has a population of 15.32 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 1408 women are diagnosed with cervical cancer and 503 die from

the disease. Cervical cancer ranks as the 13th most frequent cancer among women in Canada and the 3rd 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	-	8.1
Anal cancer	0.0-1.9	0.0-2.3
Vulva cancer	-	0.0-3.5
Vaginal cancer	-	0.0-1.4
Penile cancer	0.0-1.7	-
Pharynx (excluding nasopharynx)	5.3	1.4

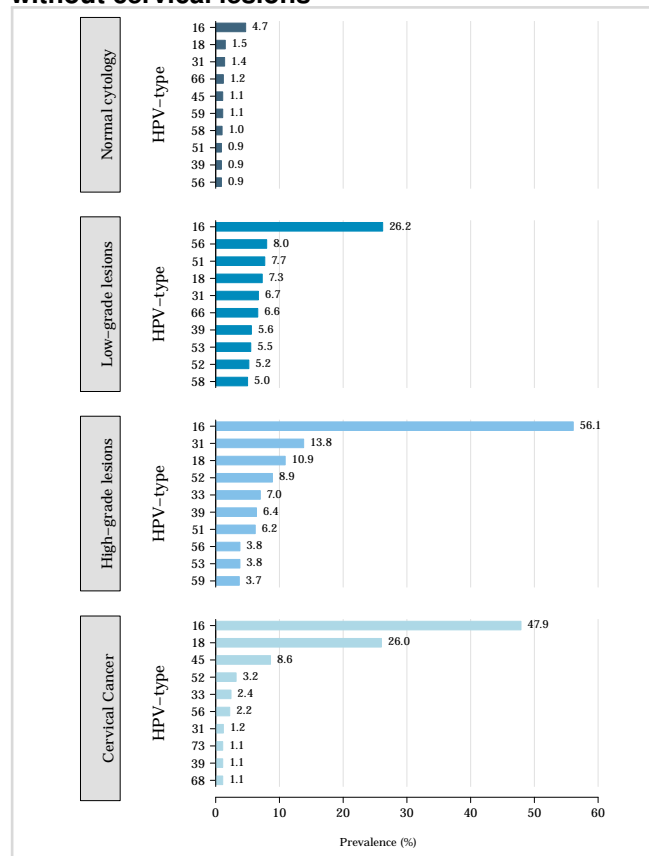
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	1408	503
Crude rate	8.1	2.9
Age-standardized rate	6.3	1.7
Cumulative risk 0-74 years (%)	0.6	0.2
Ranking of cervical cancer (all years)	13th	15th
Ranking of cervical cancer (15-44 years)	3rd	3rd

Table 3. Burden of cervical HPV infection Canada

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	29944	15.3 (14.9-15.7)
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 (%), women	13.6 [11.2-15.8]
Total fertility rate (live births per women)	1.6
Hormonal contraception use (%) (pill, injectable or implant), among women	46.2
HIV prevalence (%), adults (15-49 years)	-

Table 5. Sexual behaviour

MEN	
Percentage of 15-year-old who have had sexual intercourse	22
Range of median age at first sexual intercourse	-
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	21
Range of median age at first sexual intercourse	16.0

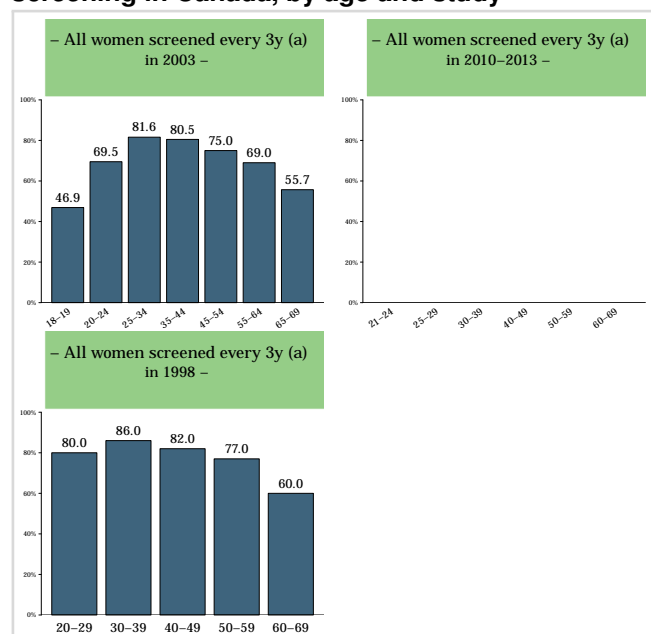
Table 6. HPV vaccine introduction

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2007

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	72.8% (All women aged 18-69 screened every 3y, CANSIM 2009a)
Screening ages (years)	21-65/69/70 varies by region
Screening interval (years) or frequency of screens	Varies among regions: Manitoba, Ontario, Québec, Nova Scotia: every 3 years (ages 21- 65/69). Prince Edward island: every 2 years (ages 21-65). Other regions every 2-3 years (ages 21-70) after 3 consecutive annual negative tests

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



^a Proportion of women in the total sample of the mentioned age range in the country or region that reported having a Pap smear during a given time period (e.g., last year, last 2, 3, 5 years or ever).

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