

Norway

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

I. Key data on HPV and HPV-related cancers



Norway has a population of 2.24 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 397 women are diagnosed with cervical cancer and 96 die from the disease.

Cervical cancer ranks as the 10th most frequent cancer among women in Norway and the 2nd most frequent cancer among women between 15 and 44 years of age. About 2.4% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 78.2% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	14.8
Anal cancer	1.02	2.20
Vulva cancer	-	3.36
Vaginal cancer	-	0.56
Penile cancer	2.41	-
Oropharyngeal cancer	5.22	1.57
Oral cavity cancer	8.58	5.82
Laryngeal cancer	3.47	0.86

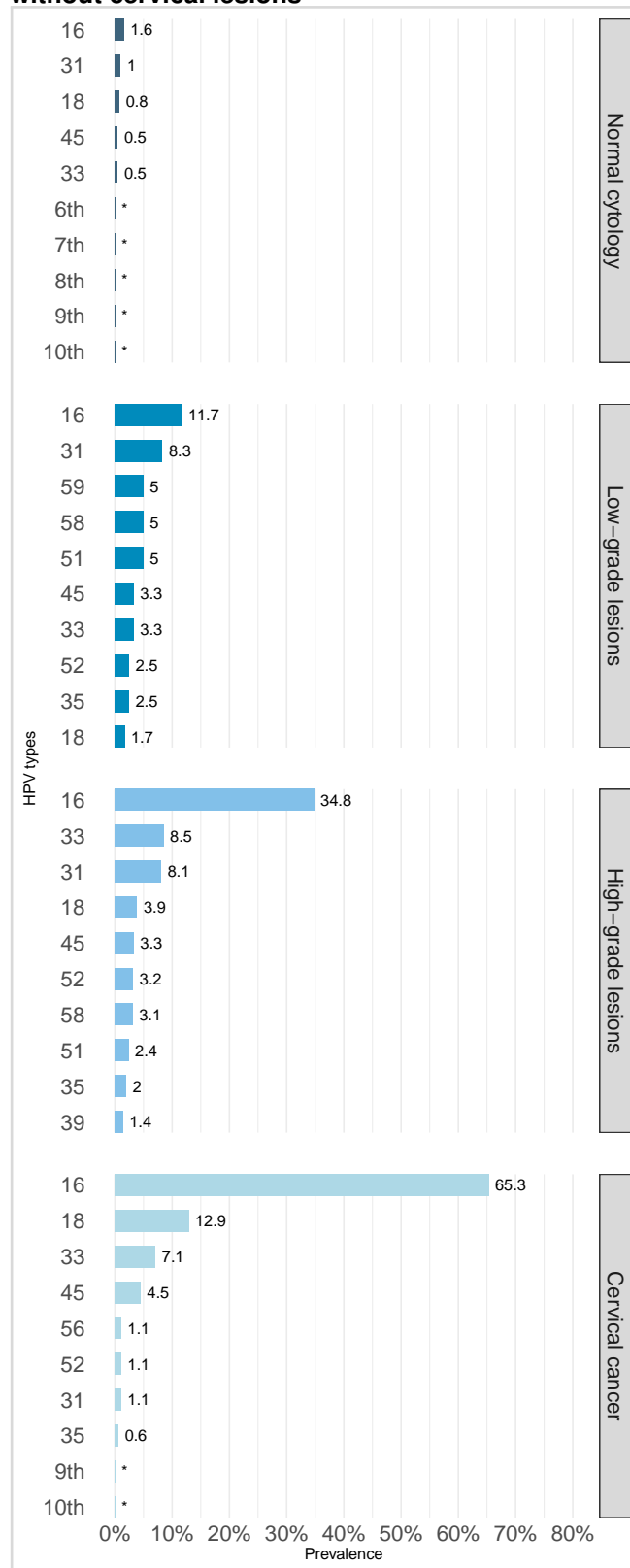
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	397	96
Crude rate	14.8	3.58
Age-standardized rate	12.0	1.75
Cumulative risk 0-74 years (%)	1.07	0.18
Ranking of cervical cancer (all years)	10th	15th
Ranking of cervical cancer (15-44 years)	2nd	5th

Table 3. Burden of cervical HPV infection Norway

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	4192	2.4 (2.0-2.9)
Low-grade cervical lesions	60	13.3 (6.9-24.2)
High-grade cervical lesions	1607	38.7 (36.4-41.1)
Cervical cancer	450	78.2 (74.2-81.8)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Norway 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	19 [15.6-22.1]
Total fertility rate (live births per women)	1.8
Hormonal contraception use (%)	31
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	-
Range of median age at first sexual intercourse	17.5 - 19.3
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	-
Range of median age at first sexual intercourse	16.0 - 19.5

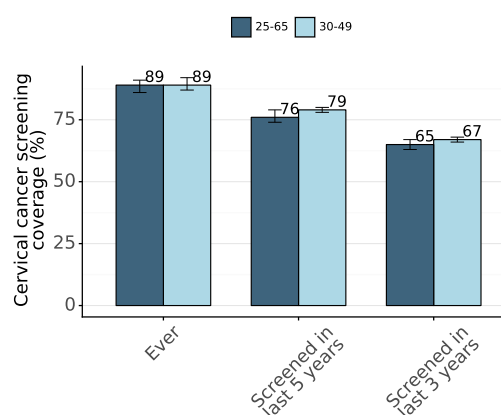
Table 6. HPV vaccine introduction

Females	
HPV vaccination programme	Introduced
Year of introduction	2009
Year of estimation	2021
HPV coverage – first dose (%)	93
HPV coverage – last dose (%)	93
Males	
HPV vaccination programme	Introduced
Year of introduction	2018
Year of estimation	2021
HPV coverage – first dose (%)	92
HPV coverage – last dose (%)	91

Table 7. Cervical screening practices and recommendations

Existence of official national recommendations	Yes
Starting year of recommendations	2019
Active invitation to screening	Yes
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	25-34 (cytology, 3 years); 35-69 (HPV test, 5 years)

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



* Estimated coverage and 95% confidence interval in 2019

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