

Denmark

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

I. Key data on HPV and HPV-related cancers



Denmark has a population of 2.49 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 384 women are diagnosed with cervical cancer and 140 die from the disease.

Cervical cancer ranks as the 11th most frequent cancer among women in Denmark and the 3rd most frequent cancer among women between 15 and 44 years of age. About 6.5% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 74.1% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	13.2
Anal cancer	1.67	4.26
Vulva cancer	-	4.63
Vaginal cancer	-	0.69
Penile cancer	2.67	-
Oropharyngeal cancer	12.8	4.60
Oral cavity cancer	8.27	5.70
Laryngeal cancer	6.88	1.61

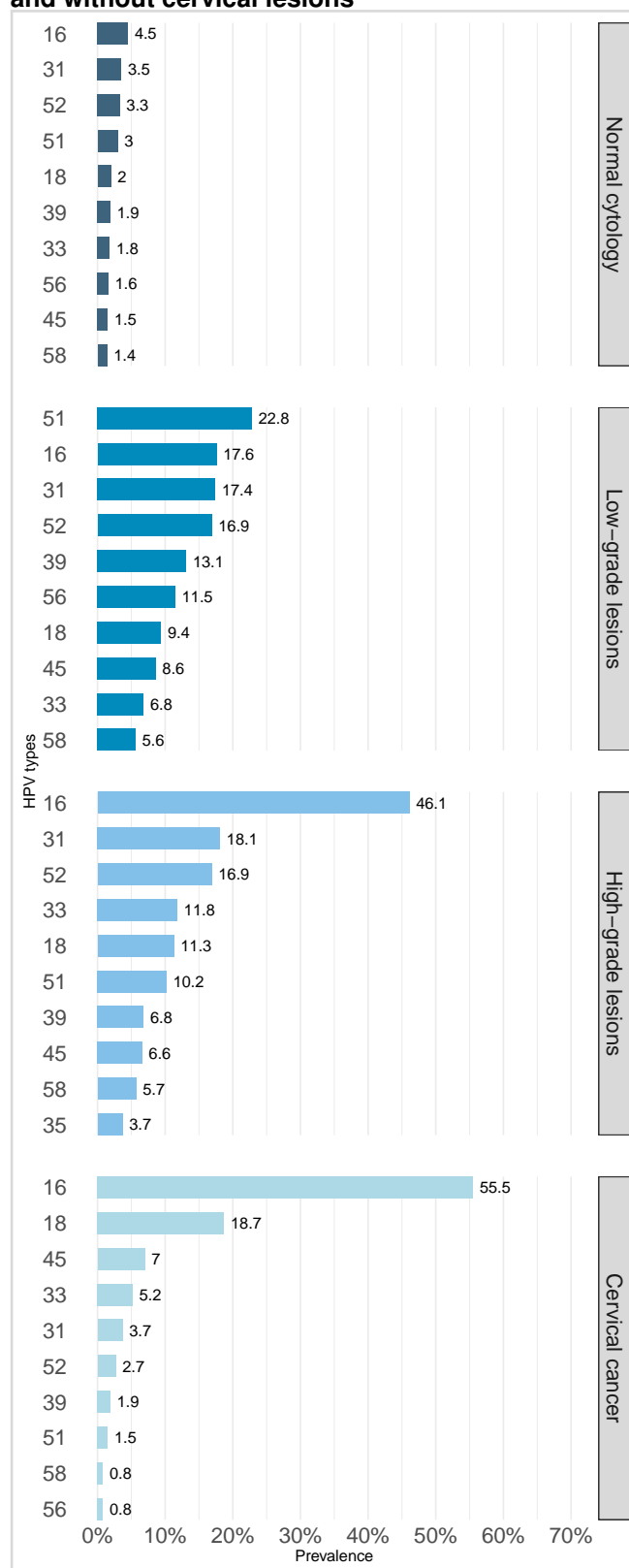
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	384	140
Crude rate	13.2	4.81
Age-standardized rate	10.2	2.20
Cumulative risk 0-74 years (%)	0.91	0.23
Ranking of cervical cancer (all years)	11th	13th
Ranking of cervical cancer (15-44 years)	3rd	4th

Table 3. Burden of cervical HPV infection Denmark

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	27135	6.5 (6.2-6.8)
Low-grade cervical lesions	414	27.1 (23.0-31.5)
High-grade cervical lesions	2460	57.4 (55.4-59.3)
Cervical cancer	348	74.1 (69.3-78.5)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Denmark among women with and without cervical lesions



Denmark

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



II. Complementary data on cervical cancer prevention

Table 4. Factors contributing to cervical cancer (co-factors)

Smoking prevalence (%) [95% UI], women	19.3 [16.2-23.6]
Total fertility rate (live births per women)	1.8
Hormonal contraception use (%)	21
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	29.0
Range of median age at first sexual intercourse	17.1 - 18.4
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	25.0
Range of median age at first sexual intercourse	16.0 - 19.0

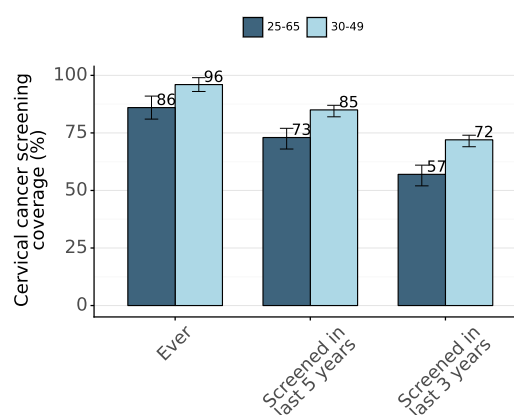
Table 6. HPV vaccine introduction

Females	
HPV vaccination programme	Introduced
Year of introduction	2009
Year of estimation	2021
HPV coverage – first dose (%)	92
HPV coverage – last dose (%)	80
Males	
HPV vaccination programme	Introduced
Year of introduction	2019
Year of estimation	2021
HPV coverage – first dose (%)	89
HPV coverage – last dose (%)	78

Table 7. Cervical screening practices and recommendations

Existence of official national recommendations	Yes
Starting year of recommendations	2012
Active invitation to screening	Yes
Screening ages (years), primary screening test used, and screening interval or frequency of	23-49 (cytology, 3 years); 50-59 (cytology, 5 years); 60-64 (HPV test, 5 years)

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



* 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
www.hpvcentre.net