

Spain

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



I. Key data on HPV and HPV-related cancers



Spain has a population of 21.0 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 1957 women are diagnosed with cervical cancer and 814 die from the disease. Cervical cancer ranks as the 15th most frequent cancer among women in Spain and the 4th most frequent cancer among women between 15 and 44 years of age. About 2.7% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 63.1% of invasive cervical cancers are attributed to HPVs 16 or 18.

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Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	8.23
Anal cancer	1.39	1.02
Vulva cancer	-	4.28
Vaginal cancer	-	0.63
Penile cancer	2.20	-
Oropharyngeal cancer	4.26	0.86
Oral cavity cancer	13.2	7.48
Laryngeal cancer	10.9	1.29

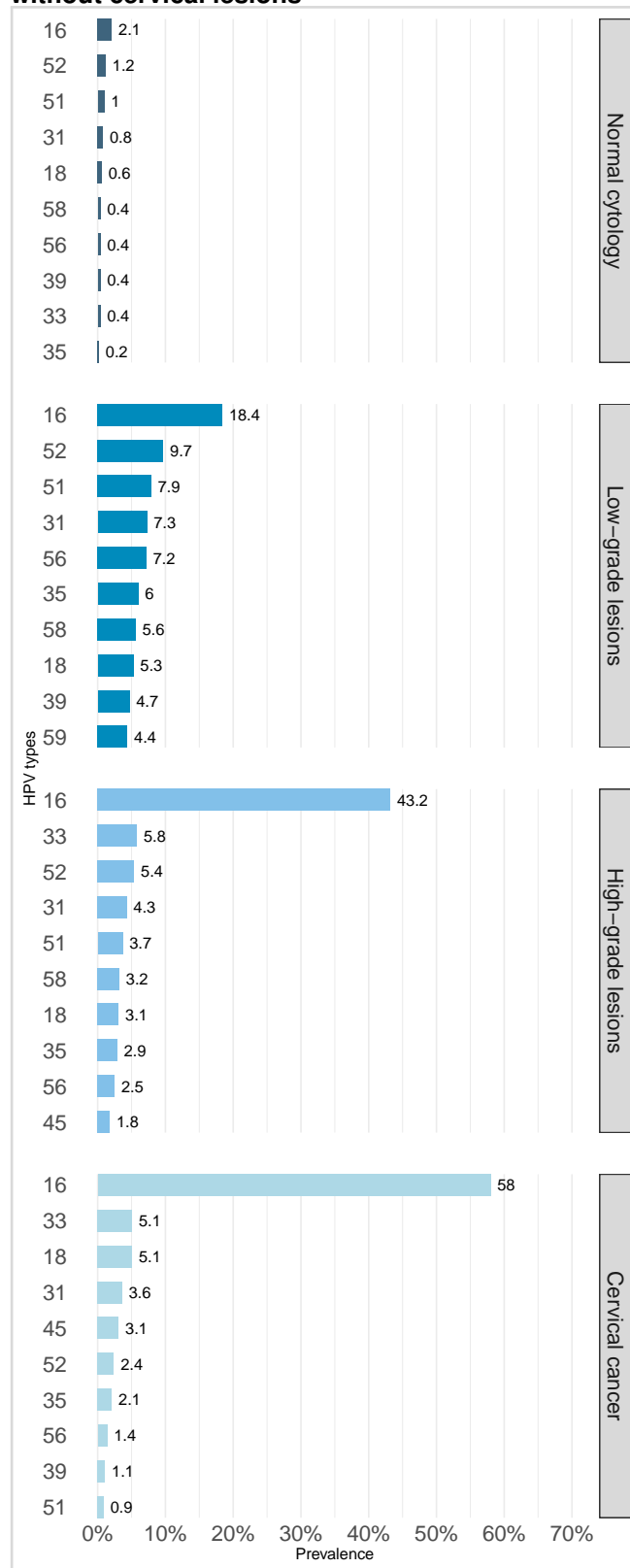
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	1957	814
Crude rate	8.23	3.42
Age-standardized rate	5.39	1.65
Cumulative risk 0-74 years (%)	0.52	0.18
Ranking of cervical cancer (all years)	15th	15th
Ranking of cervical cancer (15-44 years)	4th	4th

Table 3. Burden of cervical HPV infection Spain

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	5403	2.7 (2.3-3.2)
Low-grade cervical lesions	2183	23.7 (21.9-25.5)
High-grade cervical lesions	868	46.3 (43.0-49.6)
Cervical cancer	1488	63.1 (60.6-65.5)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Spain 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	22.3 [17.8-27.1]
Total fertility rate (live births per women)	1.4
Hormonal contraception use (%)	21.9
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	24.0
Range of median age at first sexual intercourse	17.0 - 18.0
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	19.0
Range of median age at first sexual intercourse	16.5 - 22.7

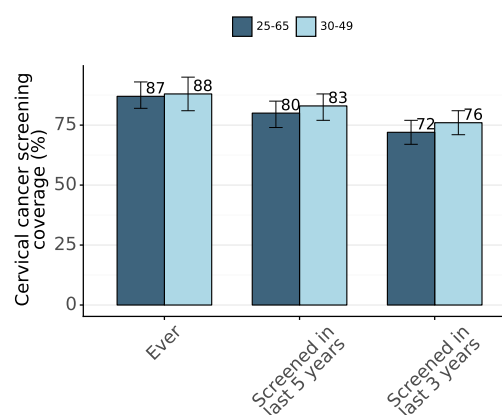
Table 6. HPV vaccine introduction

Females	
HPV vaccination programme	Introduced
Year of introduction	2007
Year of estimation	2021
HPV coverage – first dose (%)	83
HPV coverage – last dose (%)	77
Males	
HPV vaccination programme	Not Available/Not Introduced
Year of introduction	-
Year of estimation	-
HPV coverage – first dose (%)	-
HPV coverage – last dose (%)	-

Table 7. Cervical screening practices and recommendations

Existence of official national recommendations	Yes
Starting year of recommendations	2006
Active invitation to screening	No
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, Cataluña: 25-65 (cytology, 3 years)

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



* Estimated coverage and 95% confidence interval in 2019

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