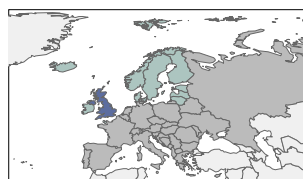


United Kingdom

Human Papillomavirus and Related Cancers, Fact Sheet 2021 (2021-10-22)

I. Key data on HPV and HPV-related cancers



United Kingdom has a population of 28.3 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 3791 women are diagnosed with cervical cancer and 1121 die from

the disease. Cervical cancer ranks as the 12th most frequent cancer among women in United Kingdom and the 2nd most frequent cancer among women between 15 and 44 years of age. About 3.2% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 79.0% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	11.0
Anal cancer	1.62	3.32
Vulva cancer	-	4.43
Vaginal cancer	-	0.89
Penile cancer	2.27	-
Oropharyngeal cancer	6.29	2.04
Oral cavity cancer	11.7	6.95
Laryngeal cancer	6.31	1.46

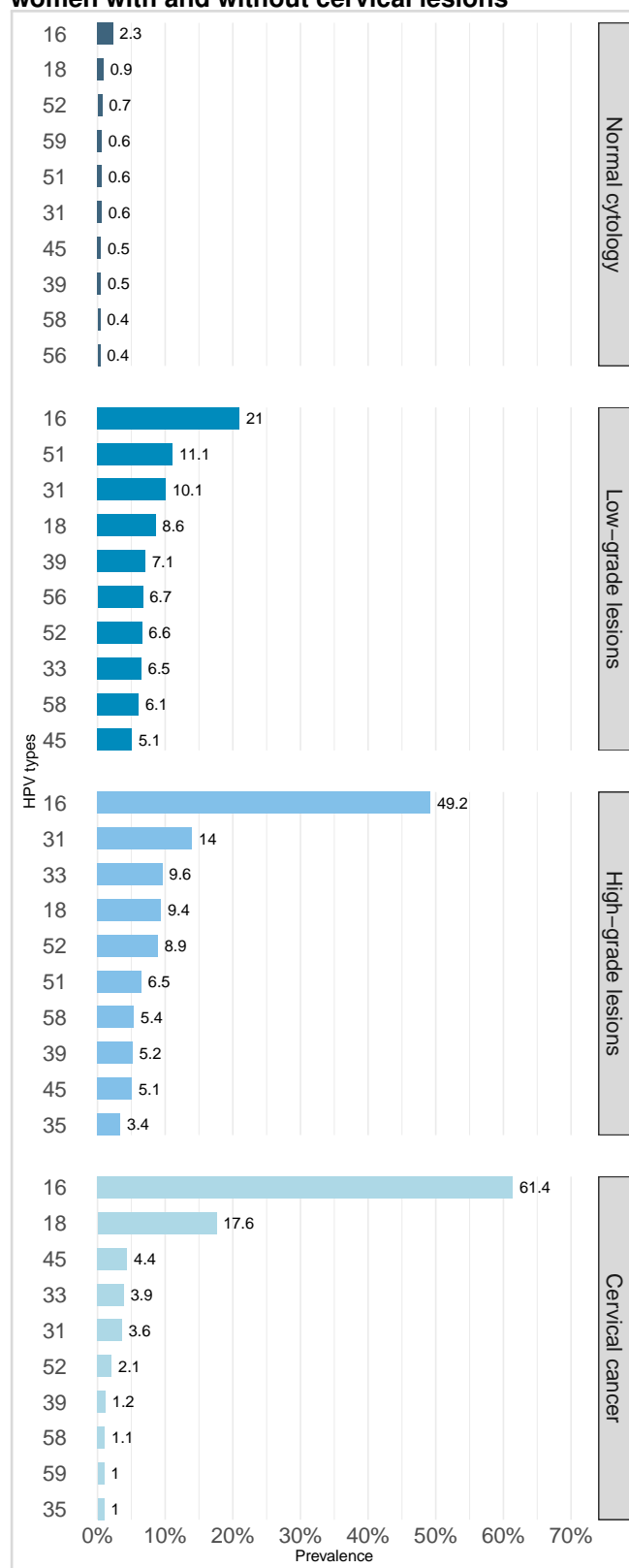
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	3791	1121
Crude rate	11.0	3.26
Age-standardized rate	9.91	1.92
Cumulative risk 0-74 years (%)	0.81	0.19
Ranking of cervical cancer (all years)	12th	16th
Ranking of cervical cancer (15-44 years)	2nd	3rd

Table 3. Burden of cervical HPV infection United Kingdom

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	42449	3.2 (3.0-3.4)
Low-grade cervical lesions	2768	29.6 (27.9-31.3)
High-grade cervical lesions	2927	58.6 (56.8-60.4)
Cervical cancer	3140	79.0 (77.6-80.4)

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



United Kingdom

Human Papillomavirus and Related Cancers, Fact Sheet 2021 (2021-10-22)

II. Complementary data on cervical cancer prevention

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

Smoking prevalence (%) [95% UI], women	18.5 [14.6-22.4]
Total fertility rate (live births per women)	1.9
Hormonal contraception use (%)	28
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	16.0 - 19.1
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	32.0
Range of median age at first sexual intercourse	16.0 - 20.9

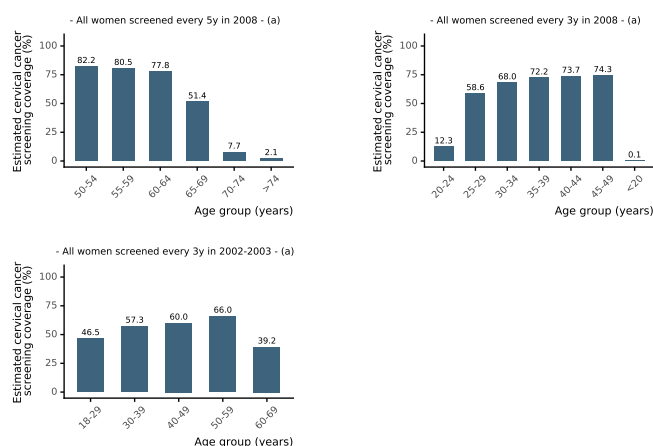
Table 6. HPV vaccine introduction in females

HPV vaccination programme	Introduced
Year of introduction	2008
HPV coverage – first dose (%) (estimation year 2019)	85
HPV coverage – last dose (%) (estimation year 2019)	82
HPV coverage – first dose (%) (estimation year 2020)	85
HPV coverage – last dose (%) (estimation year 2020)	85

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	77.5% (All women aged 25-64 screened every 5y, EUROSTAT UK)
Screening ages (years)	25-64
Screening interval (years) or frequency of screens	3 years (ages 25-49), 5 years (ages 50-64)

Figure 2. Estimated coverage of cervical cancer screening in the United Kingdom, 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).

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