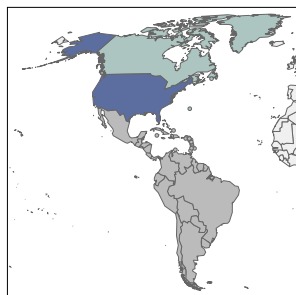


# United States of America

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



### I. Key data on HPV and HPV-related cancers



United States of America has a population of 136.4 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 13545 women are diagnosed with cervical cancer and 5706 die from the disease. Cervical cancer ranks as the 14th most frequent cancer among women in United States

of America and the 4th most frequent cancer among women between 15 and 44 years of age. About 3.9% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 71.2% of invasive cervical cancers are attributed to HPVs 16 or 18.

**Table 1. Crude incidence rates of HPV-related cancers**

	Male	Female
Cervical cancer	-	8.10
Anal cancer	1.72	3.35
Vulva cancer	-	3.66
Vaginal cancer	-	0.86
Penile cancer	0.92	-
Oropharyngeal cancer	6.41	1.36
Oral cavity cancer	10.0	4.81
Laryngeal cancer	6.08	1.55

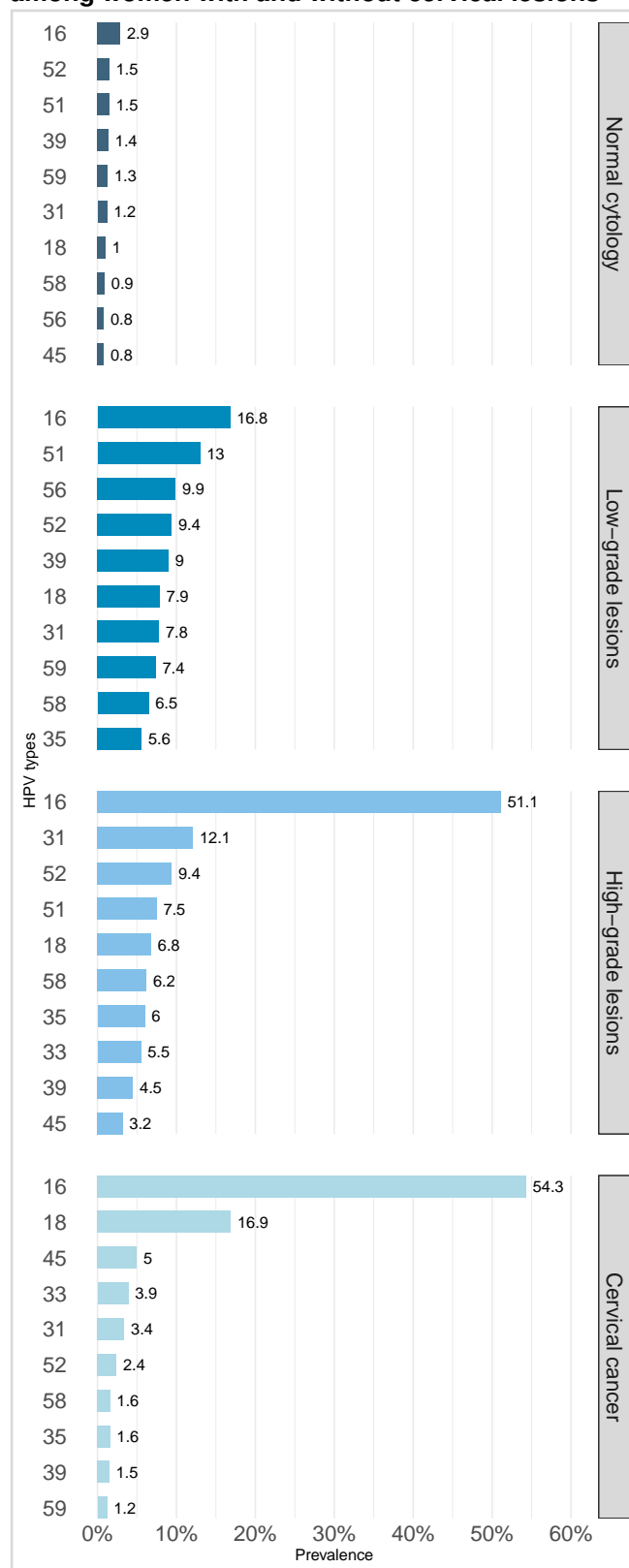
**Table 2. Burden of cervical cancer**

	Incidence	Mortality
Annual number of new cases/deaths	13545	5706
Crude rate	8.10	3.41
Age-standardized rate	6.23	2.12
Cumulative risk 0-74 years (%)	0.60	0.22
Ranking of cervical cancer (all years)	14th	12th
Ranking of cervical cancer (15-44 years)	4th	3rd

**Table 3. Burden of cervical HPV infection United States of America**

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	59935	3.9 (3.7-4.1)
Low-grade cervical lesions	4327	24.7 (23.4-26.0)
High-grade cervical lesions	9476	57.9 (56.9-58.9)
Cervical cancer	3506	71.2 (69.7-72.7)

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



# United States of America

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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	18.1 [14.2-22.2]
Total fertility rate (live births per women)	1.9
Hormonal contraception use (%)	11.4
HIV prevalence (%) [95% UI] (15-49 years)	- [—]

**Table 5. Sexual behaviour**

MEN	
Percentage of 15-year-old who have had sexual intercourse	18.0
Range of median age at first sexual intercourse	16.8
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	13.0
Range of median age at first sexual intercourse	17.2

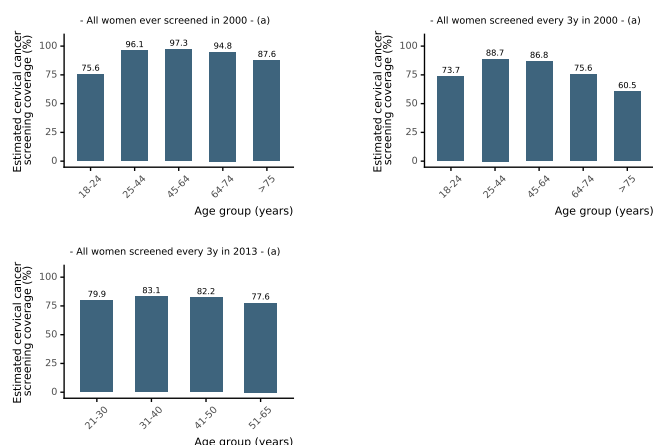
**Table 6. HPV vaccine introduction in females**

HPV vaccination programme	Introduced
Year of introduction	2006
HPV coverage – first dose (%) (estimation year 2019)	68
HPV coverage – last dose (%) (estimation year 2019)	49
HPV coverage – first dose (%) (estimation year 2020)	68
HPV coverage – last dose (%) (estimation year 2020)	68

**Table 7. Cervical screening practices and recommendations**

Cervical cancer screening coverage, % (age and screening interval, reference)	80.5% (All women aged 21-65 screened every 3y, NHIS 2013 USA)
Screening ages (years)	21-65 (cytology), over 30 (HPV test)
Screening interval (years) or frequency of screens	3 years (cytology), 5 years (HPV test)

**Figure 2. Estimated coverage of cervical cancer screening in the United States of America, by age and study**



<sup>a</sup> 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:

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