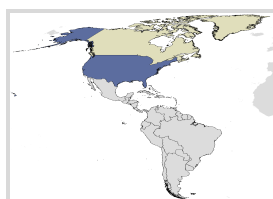


United States of America

Human Papillomavirus and Related Cancers, Fact Sheet 2017 (2017-04-19)



I. Key data on HPV and HPV-related cancers



USA has a population of 132.44 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 12966 women are diagnosed with cervical cancer and 6605 die from

the disease. Cervical cancer ranks as the 13th most frequent cancer among women in USA 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	-	8.1
Anal cancer	1.1	1.6
Vulva cancer	-	2.5
Vaginal cancer	-	0.8
Penile cancer	0.8	-
Pharynx (excluding nasopharynx)	6.1	1.6

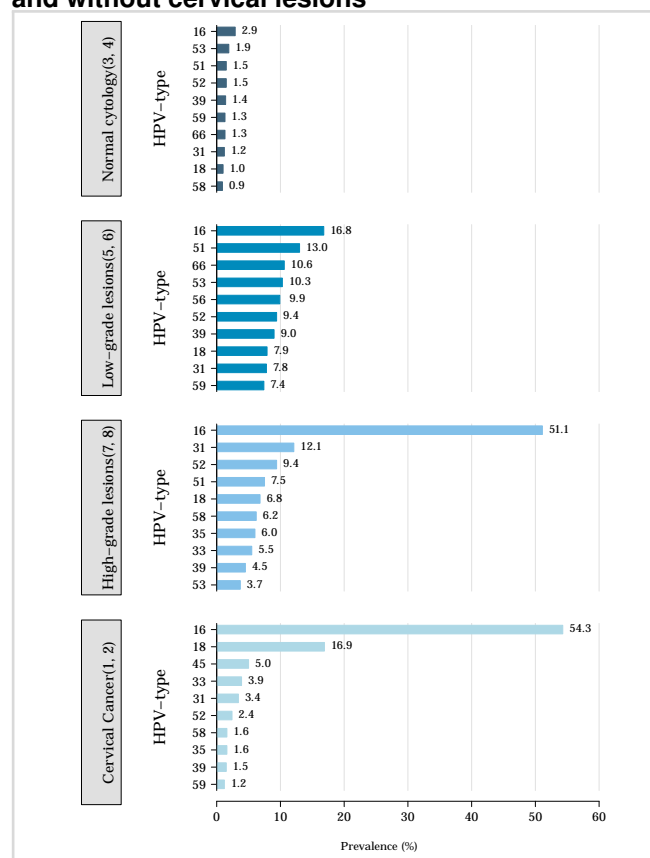
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	12966	6605
Crude rate	8.1	4.1
Age-standardized rate	6.6	2.7
Cumulative risk 0-74 years (%)	0.6	0.3
Ranking of cervical cancer (all years)	13th	11th
Ranking of cervical cancer (15-44 years)	4th	2nd

Table 3. Burden of cervical HPV infection the USA

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	725417	6.6 (6.5-6.6)
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 USA 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 (%), women	15.9
Total fertility rate (live births per women)	2.1
Hormonal contraception use (%) (pill, injectable or implant), among women	16.3
HIV prevalence (%), adults (15-49 years)	-

Table 5. Sexual behaviour

MEN	
Percentage of 15-year-old who have had sexual intercourse	18
Range of median age at first sexual intercourse	16.8
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	13
Range of median age at first sexual intercourse	17.2

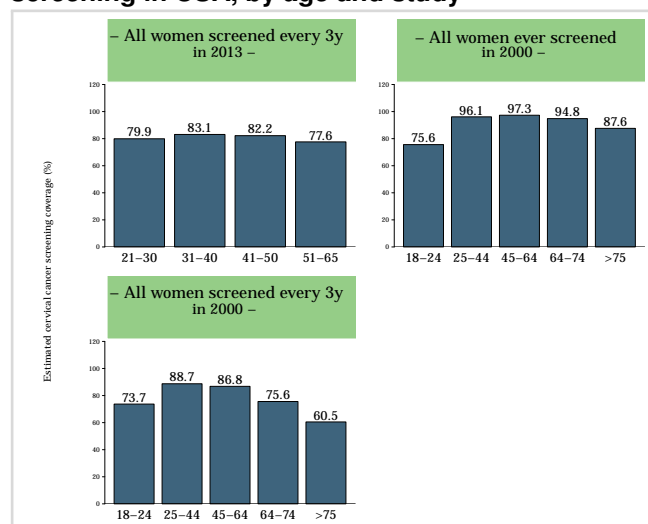
Table 6. HPV vaccine introduction

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2006
HPV vaccination target age for routine immunization	11-12
Full course HPV vaccination coverage for routine immunization:	
% (calendar year)	39.7% (2014)

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 USA, by age and study



Contact information:

ICO HPV Information Centre
 Institut Català d'Oncologia
 Avda. Gran Via de l'Hospitalet, 199-203
 08908 L'Hospitalet de Llobregat (Barcelona, Spain)
 e-mail: info@hpvcentre.net
 internet adress: www.hpvcentre.net