

Mexico

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



I. Key data on HPV and HPV-related cancers



Mexico has a population of 48.8 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 9439 women are diagnosed with cervical cancer and 4335 die from the disease. Cervical cancer ranks as the 2nd most frequent cancer among women in Mexico and the 3rd most frequent cancer

among women between 15 and 44 years of age. About 4.1% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 65.0% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	14.3
Anal cancer	0.20	0.28
Vulva cancer	-	0.83
Vaginal cancer	-	0.35
Penile cancer	1.10	-
Oropharyngeal cancer	0.36	0.16
Oral cavity cancer	1.00	1.32
Laryngeal cancer	1.35	0.27

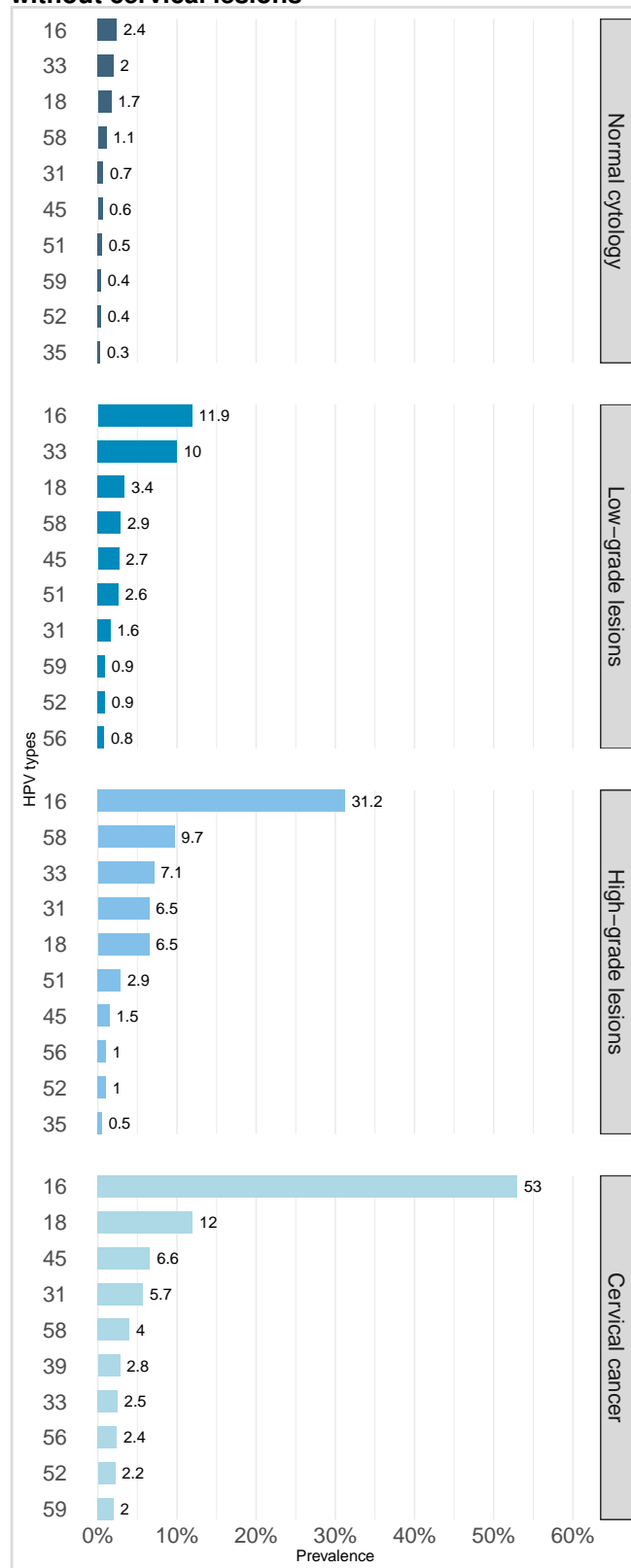
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	9439	4335
Crude rate	14.3	6.58
Age-standardized rate	12.6	5.74
Cumulative risk 0-74 years (%)	1.29	0.63
Ranking of cervical cancer (all years)	2nd	3rd
Ranking of cervical cancer (15-44 years)	3rd	2nd

Table 3. Burden of cervical HPV infection Mexico

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	8089	4.1 (3.7-4.6)
Low-grade cervical lesions	1291	15.3 (13.5-17.4)
High-grade cervical lesions	247	37.7 (31.8-43.8)
Cervical cancer	2361	65.0 (63.1-66.9)

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



Mexico

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	7 [5.4-8.6]
Total fertility rate (live births per women)	2.1
Hormonal contraception use (%)	3
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	-
Range of median age at first sexual intercourse	-
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	-
Range of median age at first sexual intercourse	-

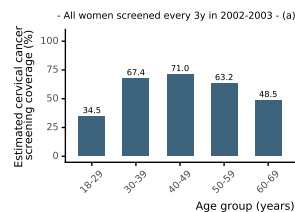
Table 6. HPV vaccine introduction in females

HPV vaccination programme	Introduced
Year of introduction	2012
HPV coverage – first dose (%) (estimation year 2019)	94
HPV coverage – last dose (%) (estimation year 2019)	95
HPV coverage – first dose (%) (estimation year 2020)	-
HPV coverage – last dose (%) (estimation year 2020)	-

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	42.8% (All women aged >20 screened every 1y, ENSANUT 2012 Mexico (a))
Screening ages (years)	25-64
Screening interval (years) or frequency of screens	Cytology every 3 years, after 2 consecutive annual negative tests

Figure 2. Estimated coverage of cervical cancer screening in Mexico, by age and study



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