

Mexico

Human Papillomavirus and Related Cancers, Fact Sheet 2017 (2017-07-27)

I. Key data on HPV and HPV-related cancers



Mexico has a population of 46.67 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 13960 women are diagnosed with cervical cancer and 4769 die from

the disease. Cervical cancer ranks as the 2nd most frequent cancer among women in Mexico and the 1st most frequent cancer among women between 15 and 44 years of age. About 5.1% 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	-	23.7
Anal cancer	-	-
Vulva cancer	-	-
Vaginal cancer	-	-
Penile cancer	-	-
Pharynx (excluding nasopharynx)	0.7	0.2

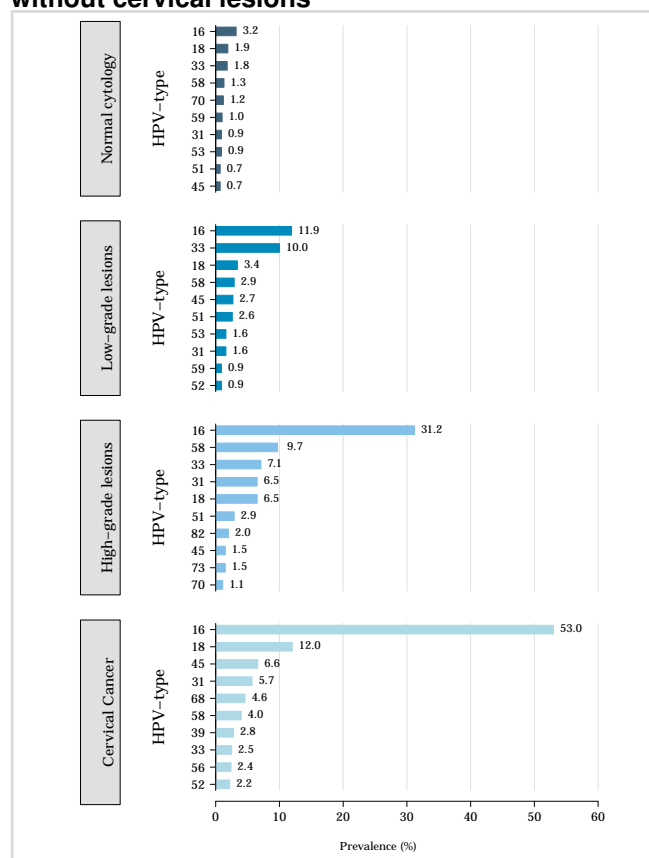
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	13960	4769
Crude rate	23.7	8.1
Age-standardized rate	23.3	8.0
Cumulative risk 0-74 years (%)	2.3	0.9
Ranking of cervical cancer (all years)	2nd	2nd
Ranking of cervical cancer (15-44 years)	1st	2nd

Table 3. Burden of cervical HPV infection Mexico

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	66322	10.5 (10.2-10.7)
HPV 16/18 prevalence:		
Normal cytology	9724	5.1 (4.7-5.6)
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



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II. Complementary data on cervical cancer prevention

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

Smoking prevalence (%), women	7.3 [5.9-8.8]
Total fertility rate (live births per women)	2.3
Hormonal contraception use (%) (pill, injectable or implant), among women	9.7
HIV prevalence (%), adults (15-49 years)	0.2 [0.2 - 0.3]

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	-

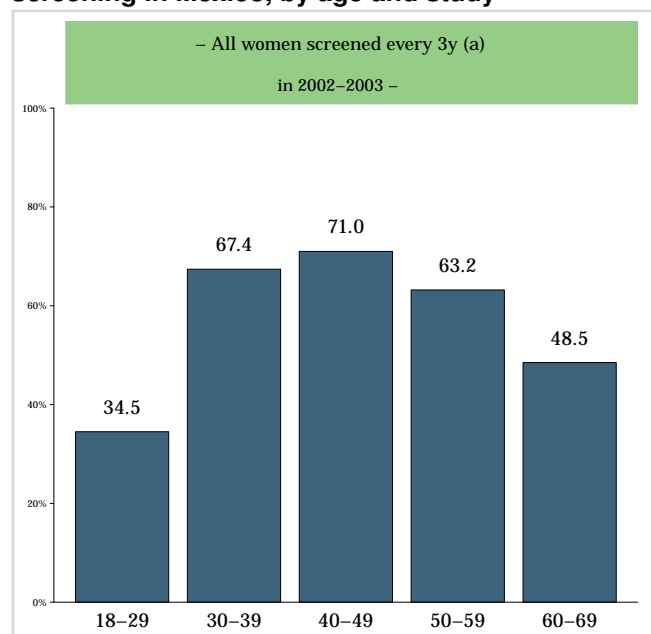
Table 6. HPV vaccine introduction

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2012

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



^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).

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