

Ecuador

Human Papillomavirus and Related Cancers, Fact Sheet 2018 (2018-12-10)

I. Key data on HPV and HPV-related cancers



Ecuador has a population of 5.78 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 1612 women are diagnosed with cervical cancer and 838 die from

the disease. Cervical cancer ranks as the 2nd most frequent cancer among women in Ecuador and the 3rd most frequent cancer among women between 15 and 44 years of age. Data is not yet available on the HPV burden in the general population of Ecuador. However, in South America, the region Ecuador belongs to, about 12.1% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 62.6% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	19.1
Anal cancer	0.0-0.2	0.6-1.1
Vulva cancer	-	0.4-0.9
Vaginal cancer	-	0.0-0.5
Penile cancer	0.5-1.3	-
Oropharynx	0.7	0.2

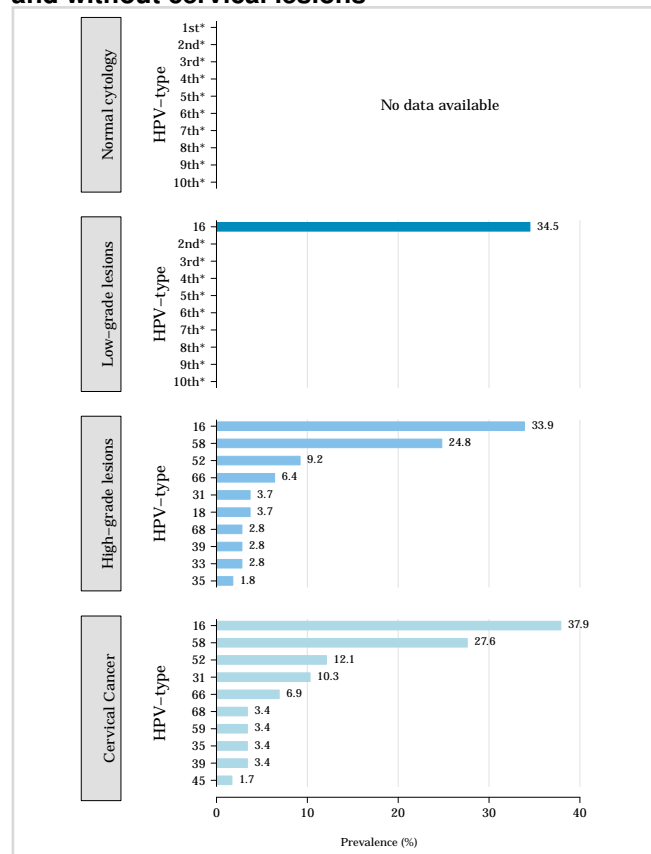
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	1612	838
Crude rate	19.1	9.9
Age-standardized rate	17.8	9.0
Cumulative risk 0-74 years (%)	1.8	0.9
Ranking of cervical cancer (all years)	2nd	2nd
Ranking of cervical cancer (15-44 years)	3rd	1st

Table 3. Burden of cervical HPV infection Ecuador

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	285	20.7 (16.4-25.8)
HPV 16/18 prevalence:		
Normal cytology	-	--
Low-grade cervical lesions	29	34.5 (19.9-52.7)
High-grade cervical lesions	109	37.6 (29.1-47.0)
Cervical cancer	58	37.9 (26.6-50.8)

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



*No data available. No more types than shown were tested or were positive.

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II. Complementary data on cervical cancer prevention

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

Smoking prevalence (%), women	3.5 [1.7-5.6]
Total fertility rate (live births per women)	2.6
Hormonal contraception use (%) (pill, injectable or implant), among women	27.7
HIV prevalence (%), adults (15-49 years)	0.3 [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	18.3-19.0

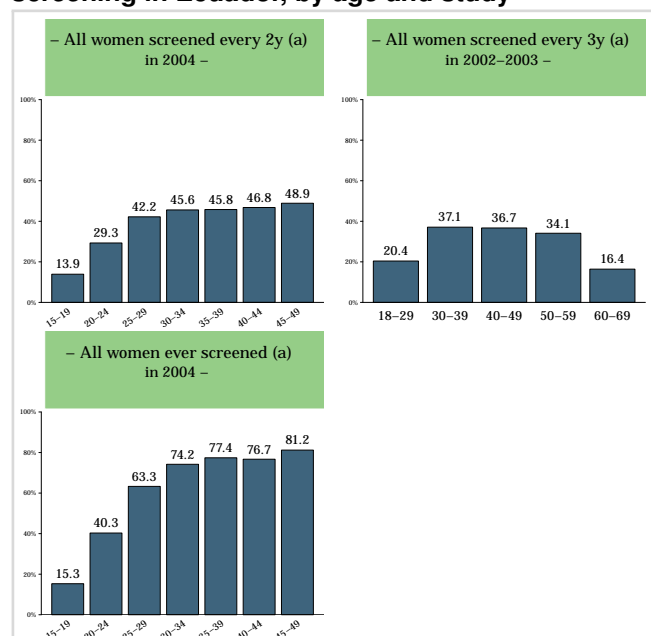
Table 6. HPV vaccine introduction

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2015

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	23.6% (All women aged 15-49 screened every 1y, ENSANUT 2012 Ecuador)
Screening ages (years)	35-64
Screening interval (years) or frequency of screens	5 years

Figure 2. Estimated coverage of cervical cancer screening in Ecuador, 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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