

Paraguay

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



I. Key data on HPV and HPV-related cancers



Paraguay has a population of 2.29 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 1022 women are diagnosed with cervical cancer and 439 die from

the disease. Cervical cancer ranks as the 2nd most frequent cancer among women in Paraguay and the 1st most frequent cancer among women between 15 and 44 years of age. About 4.8% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 58.9% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	30.8
Anal cancer	-	-
Vulva cancer	-	-
Vaginal cancer	-	-
Penile cancer	2.6	-
Pharynx (excluding nasopharynx)	2.0	0.3

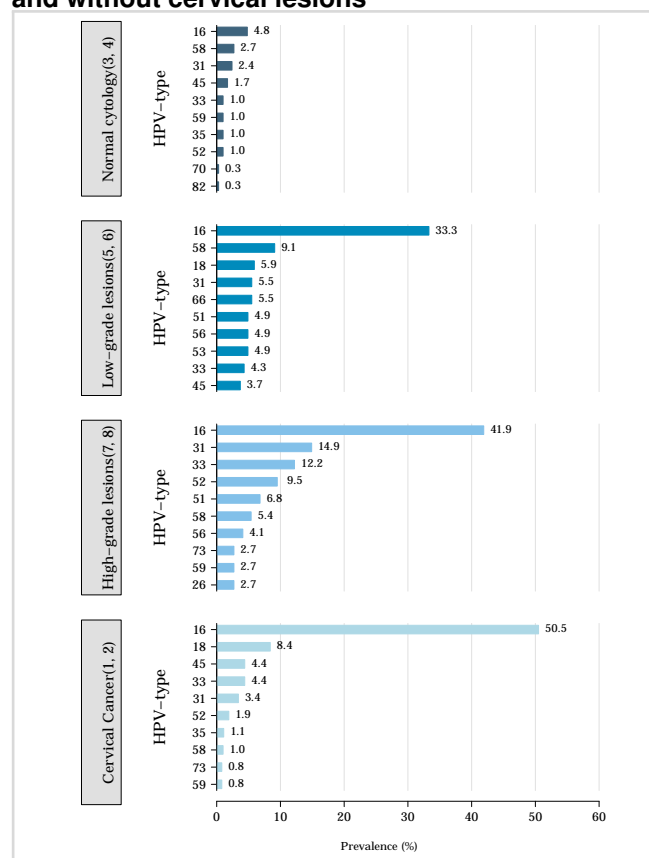
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	1022	439
Crude rate	30.8	13.2
Age-standardized rate	34.2	15.7
Cumulative risk 0-74 years (%)	3.2	1.7
Ranking of cervical cancer (all years)	2nd	1st
Ranking of cervical cancer (15-44 years)	1st	1st

Table 3. Burden of cervical HPV infection Paraguay

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	457	22.1 (18.5-26.1)
HPV 16/18 prevalence:		
Normal cytology	293	4.8 (2.9-7.9)
Low-grade cervical lesions	219	39.3 (33.0-45.9)
High-grade cervical lesions	74	43.2 (32.6-54.6)
Cervical cancer	523	58.9 (54.6-63.0)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Paraguay 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	8.6
Total fertility rate (live births per women)	2.5
Hormonal contraception use (%) (pill, injectable or implant), among women	34.5
HIV prevalence (%), adults (15-49 years)	0.4 [0.3 - 0.8]

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	17.9-18.8

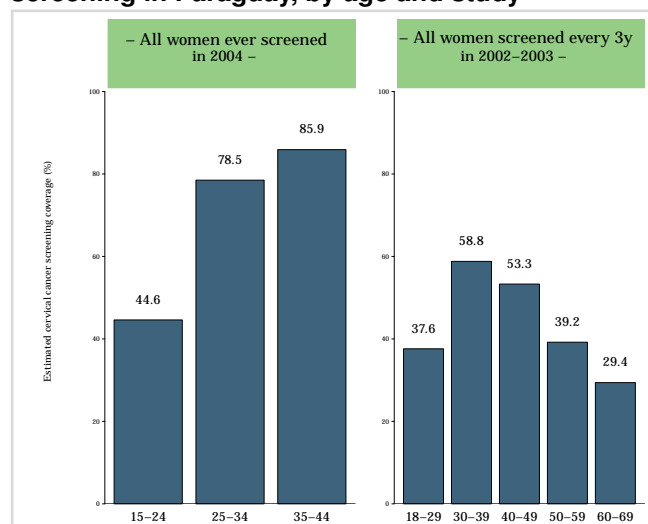
Table 6. HPV vaccine introduction

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2013
HPV vaccination target age for routine immunization	10
Full course HPV vaccination coverage for routine immunization:	
% (calendar year)	-

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	71.3% (All women aged 15-44 ever screened, ENDSSR 2008 Paraguay)
Screening ages (years)	25-49
Screening interval (years) or frequency of screens	Cytology/VIA every 3 years after 3 consecutive annual negative tests

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



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