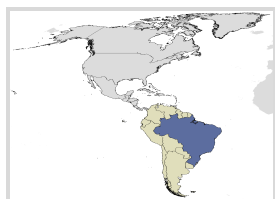


Brazil

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

I. Key data on HPV and HPV-related cancers



Brazil has a population of 82.19 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 16298 women are diagnosed with cervical cancer and 8079 die from

the disease. Cervical cancer ranks as the 3rd most frequent cancer among women in Brazil and the 3rd most frequent cancer among women between 15 and 44 years of age. About 5.7% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 68.2% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	15.2
Anal cancer	0.3-1.2	0.8-1.7
Vulva cancer	-	0.8-2.7
Vaginal cancer	-	0.0-0.9
Penile cancer	0.3-2.0	-
Oropharynx	3.7	0.8

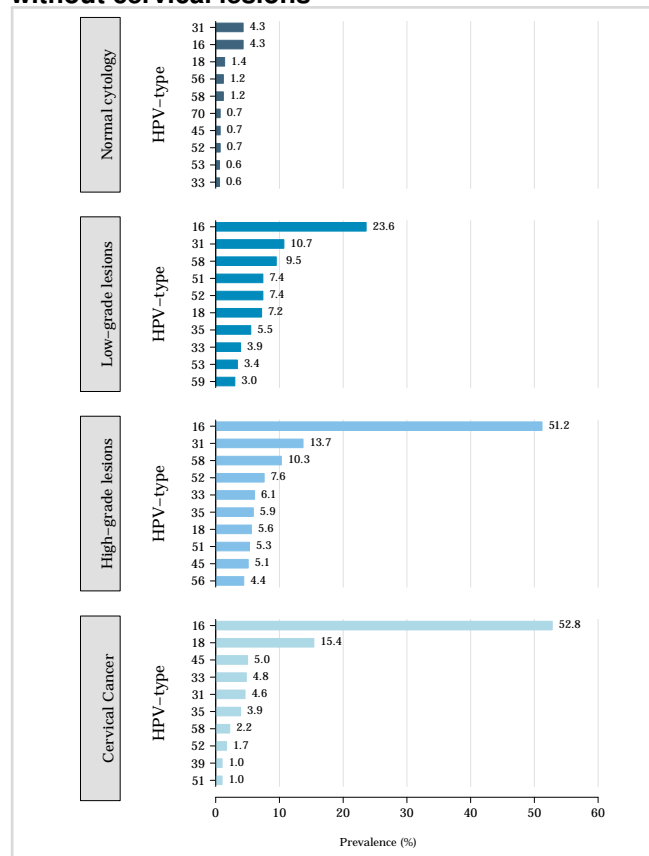
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	16298	8079
Crude rate	15.2	7.5
Age-standardized rate	12.2	5.8
Cumulative risk 0-74 years (%)	1.3	0.6
Ranking of cervical cancer (all years)	3rd	3rd
Ranking of cervical cancer (15-44 years)	3rd	2nd

Table 3. Burden of cervical HPV infection Brazil

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	12908	17.7 (17.1-18.4)
HPV 16/18 prevalence:		
Normal cytology	4349	5.7 (5.1-6.4)
Low-grade cervical lesions	554	30.9 (27.2-34.8)
High-grade cervical lesions	1463	56.8 (54.2-59.3)
Cervical cancer	1364	68.2 (65.7-70.6)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Brazil 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	12.1 [9.3-15.2]
Total fertility rate (live births per women)	1.8
Hormonal contraception use (%) (pill, injectable or implant), among women	28.8
HIV prevalence (%), adults (15-49 years)	0.6 [0.4 - 0.8]

Table 5. Sexual behaviour

MEN	
Percentage of 15-year-old who have had sexual intercourse	29.6
Range of median age at first sexual intercourse	16.7-16.9
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	8.8
Range of median age at first sexual intercourse	18.8-20.7

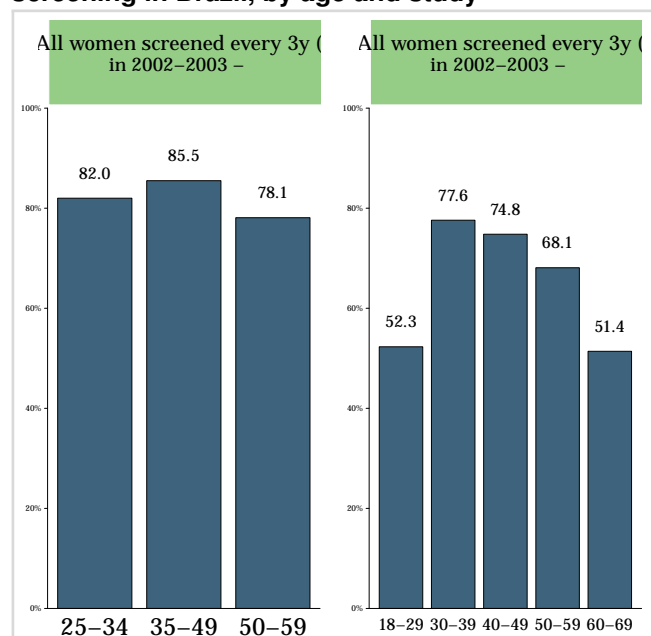
Table 6. HPV vaccine introduction

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2014

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	81.5% (All women aged 25-64 screened every 3y, SISCAN/SIS-COLO Brazil)
Screening ages (years)	25-64
Screening interval (years) or frequency of screens	3 years, after 2 consecutive annual negative tests

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