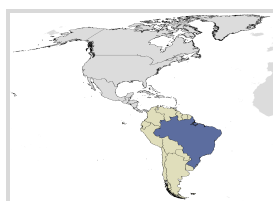


# Brazil

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

### 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 18503 women are diagnosed with cervical cancer and 8414 die from

the disease. Cervical cancer ranks as the 2nd most frequent cancer among women in Brazil and the 2nd 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	-	18.4
Anal cancer	0.3-1.0	0.8-1.4
Vulva cancer	-	0.3-1.8
Vaginal cancer	-	0.4-1.2
Penile cancer	0.7-2.3	-
Pharynx (excluding nasopharynx)	4.7	0.9

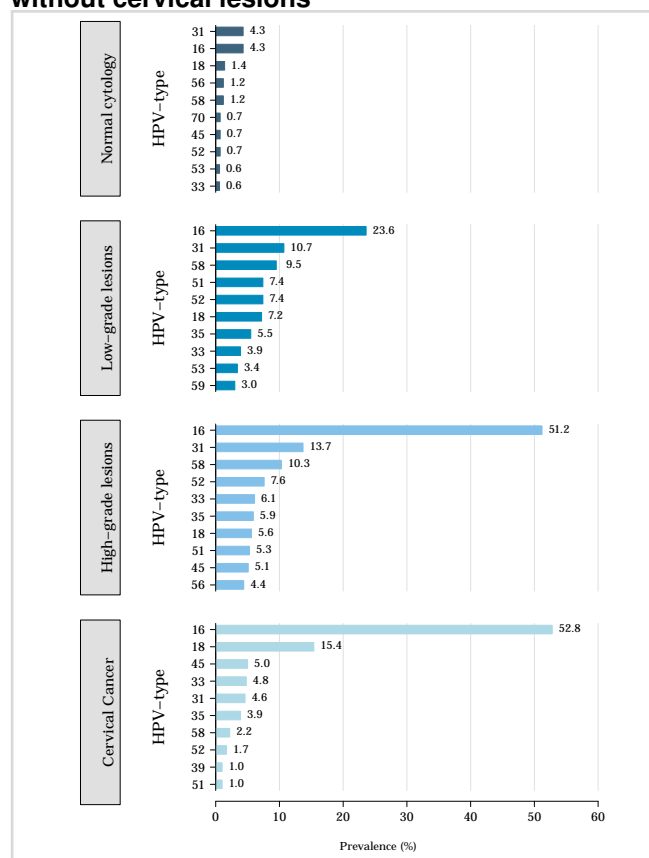
**Table 2. Burden of cervical cancer**

	Incidence	Mortality
Annual number of new cases/deaths	18503	8414
Crude rate	18.4	8.3
Age-standardized rate	16.3	7.3
Cumulative risk 0-74 years (%)	1.7	0.8
Ranking of cervical cancer (all years)	2nd	4th
Ranking of cervical cancer (15-44 years)	2nd	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

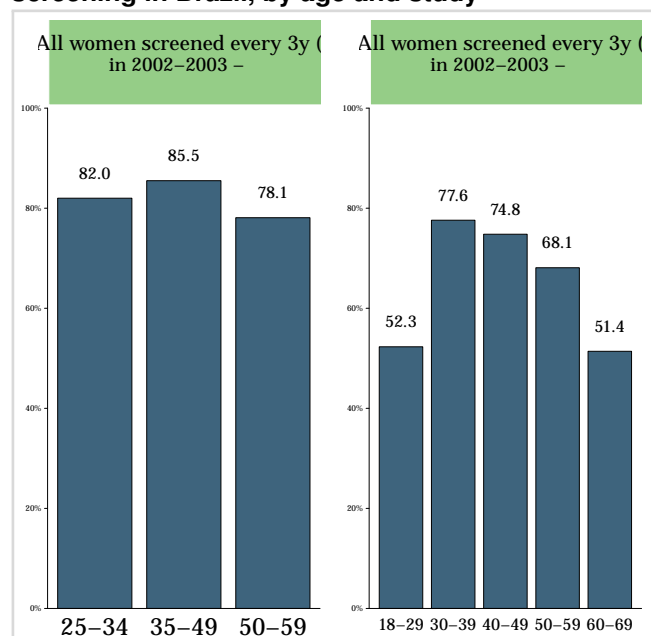
**Table 6. HPV vaccine introduction**

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**



<sup>a</sup> 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).

#### 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](mailto:info@hpvcentre.net)  
[www.hpvcentre.net](http://www.hpvcentre.net)