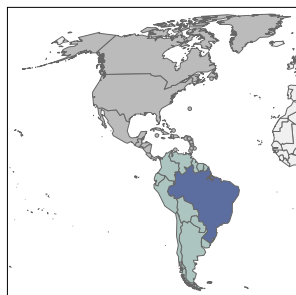


Brazil

Human Papillomavirus and Related Cancers, Fact Sheet 2021 (2021-10-22)

I. Key data on HPV and HPV-related cancers



Brazil has a population of 85.6 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 17743 women are diagnosed with cervical cancer and 9168 die from the disease. Cervical cancer ranks as the 4th most frequent cancer among women in Brazil and the 3rd most frequent cancer

among women between 15 and 44 years of age. About 5.4% 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	-	16.4
Anal cancer	0.88	1.78
Vulva cancer	-	1.40
Vaginal cancer	-	0.35
Penile cancer	1.59	-
Oropharyngeal cancer	4.27	0.78
Oral cavity cancer	6.93	2.40
Laryngeal cancer	6.30	1.31

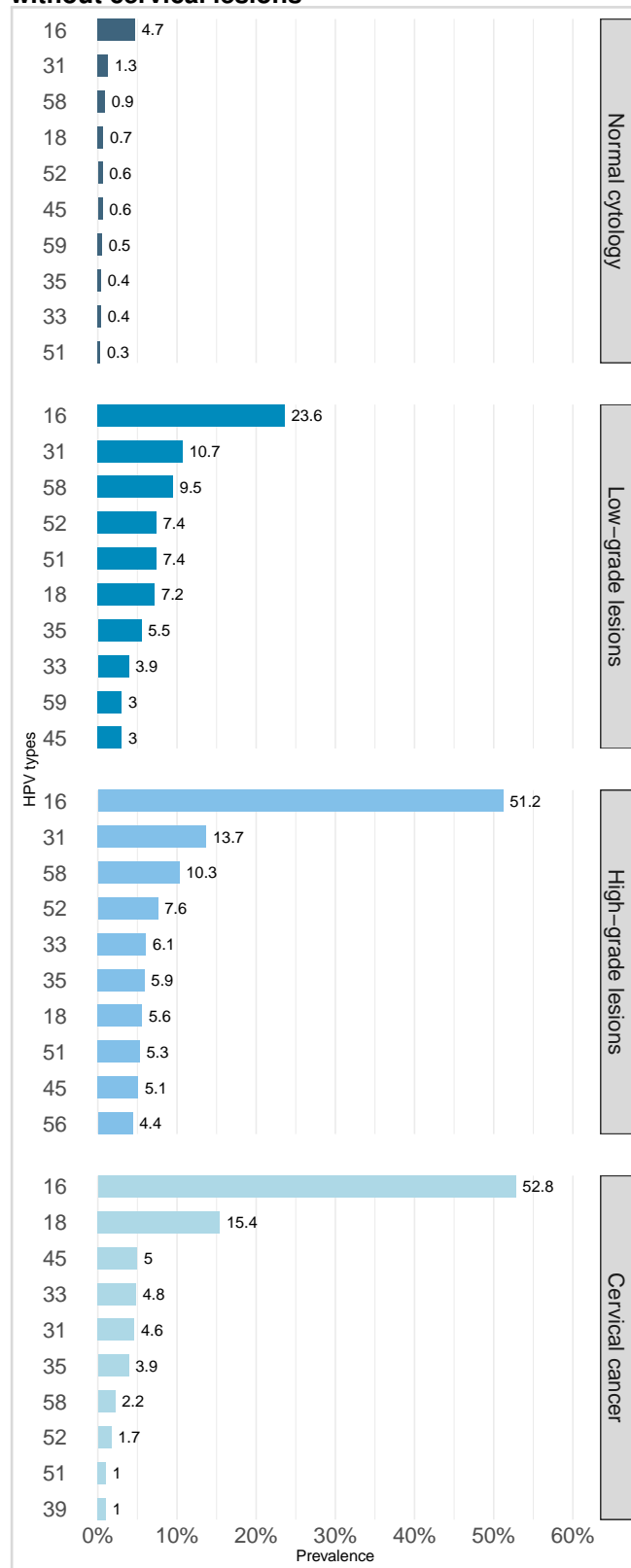
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	17743	9168
Crude rate	16.4	8.48
Age-standardized rate	12.7	6.34
Cumulative risk 0-74 years (%)	1.33	0.67
Ranking of cervical cancer (all years)	4th	4th
Ranking of cervical cancer (15-44 years)	3rd	2nd

Table 3. Burden of cervical HPV infection Brazil

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	2731	5.4 (4.6-6.3)
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 (%) [95% UI], women	10.2 [7.2-13]
Total fertility rate (live births per women)	1.7
Hormonal contraception use (%)	34.2
HIV prevalence (%) [95% UI] (15-49 years)	- [—]

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

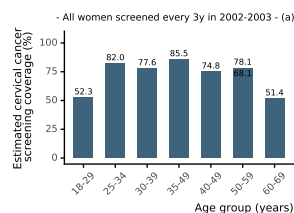
Table 6. HPV vaccine introduction in females

HPV vaccination programme	Introduced
Year of introduction	2014
HPV coverage – first dose (%) (estimation year 2019)	75
HPV coverage – last dose (%) (estimation year 2019)	62
HPV coverage – first dose (%) (estimation year 2020)	88
HPV coverage – last dose (%) (estimation year 2020)	88

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/SISCOLO 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



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
www.hpvcentre.net