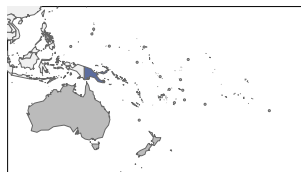


Papua New Guinea

Human Papillomavirus and Related Cancers, Fact Sheet 2023 (2023-03-10)



I. Key data on HPV and HPV-related cancers



Papua New Guinea has a population of 3.20 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 1077 women are diagnosed with cervical cancer and 650 die from

the disease. Cervical cancer ranks as the 2nd most frequent cancer among women in Papua New Guinea and the 2nd 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 Papua New Guinea. However, in Melanesia, the region Papua New Guinea belongs to, about 7.7% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 82.9% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	24.6
Anal cancer	1.01	1.30
Vulva cancer	-	0.39
Vaginal cancer	-	0.43
Penile cancer	0.94	-
Oropharyngeal cancer	2.25	0.18
Oral cavity cancer	16.6	11.0
Laryngeal cancer	1.99	0.62

Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	1077	650
Crude rate	24.6	14.8
Age-standardized rate	29.2	19.1
Cumulative risk 0-74 years (%)	2.69	1.87
Ranking of cervical cancer (all years)	2nd	2nd
Ranking of cervical cancer (15-44 years)	2nd	1st

Table 3. Burden of cervical HPV infection Papua New Guinea

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	-	-
Low-grade cervical lesions	-	-
High-grade cervical lesions	-	-
Cervical cancer	70	82.9 (72.4-89.9)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Papua New Guinea 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	23.5 [14.8-34.5]
Total fertility rate (live births per women)	3.6
Hormonal contraception use (%)	4.60
HIV prevalence (%) [95% UI] (15-49 years)	0.9 [0.8-1]

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	-

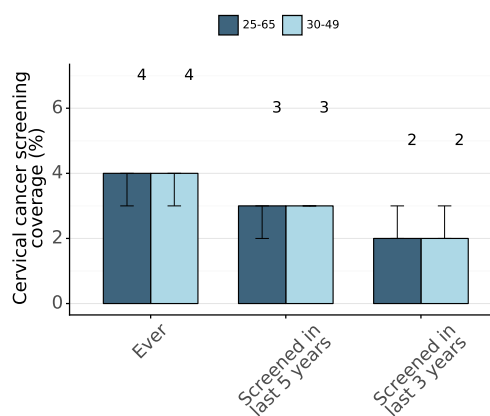
Table 6. HPV vaccine introduction

Females	
HPV vaccination programme	Not Available/Not Introduced
Year of introduction	-
Year of estimation	-
HPV coverage – first dose (%)	-
HPV coverage – last dose (%)	-
Males	
HPV vaccination programme	Not Available/Not Introduced
Year of introduction	-
Year of estimation	-
HPV coverage – first dose (%)	-
HPV coverage – last dose (%)	-

Table 7. Cervical screening practices and recommendations

Existence of official national recommendations	No
Starting year of recommendations	-
Active invitation to screening	-
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	-

Figure 2. Estimated coverage of cervical cancer screening in Papua New Guinea*



* Estimated coverage and 95% confidence interval in 2019

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