

# Japan

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

### I. Key data on HPV and HPV-related cancers



Japan has a population of 56.8 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 12785 women are diagnosed with cervical cancer and 4213 die from the disease.

Cervical cancer ranks as the 10th most frequent cancer among women in Japan and the 2nd most frequent cancer among women between 15 and 44 years of age. About 1.9% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 52.9% of invasive cervical cancers are attributed to HPVs 16 or 18.

**Table 1. Crude incidence rates of HPV-related cancers**

	Male	Female
Cervical cancer	-	19.8
Anal cancer	0.78	0.88
Vulva cancer	-	1.98
Vaginal cancer	-	0.60
Penile cancer	0.83	-
Oropharyngeal cancer	3.40	0.66
Oral cavity cancer	11.3	6.54
Laryngeal cancer	7.68	0.57

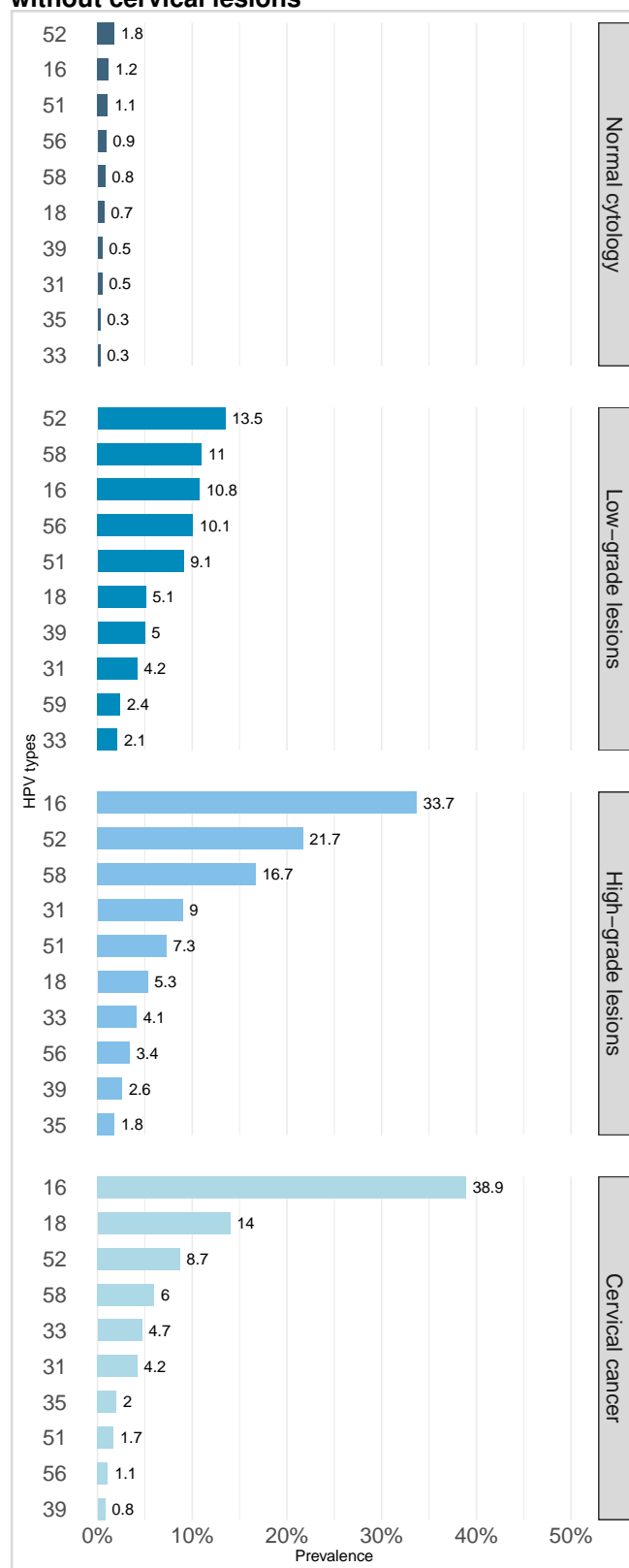
**Table 2. Burden of cervical cancer**

	Incidence	Mortality
Annual number of new cases/deaths	12785	4213
Crude rate	19.8	6.51
Age-standardized rate	15.2	2.93
Cumulative risk 0-74 years (%)	1.37	0.31
Ranking of cervical cancer (all years)	10th	9th
Ranking of cervical cancer (15-44 years)	2nd	3rd

**Table 3. Burden of cervical HPV infection Japan**

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	21842	1.9 (1.7-2.1)
Low-grade cervical lesions	2000	15.9 (14.4-17.6)
High-grade cervical lesions	2485	39.0 (37.1-40.9)
Cervical cancer	2294	52.9 (50.9-55.0)

**Figure 1. Comparison of the ten most frequent HPV oncogenic types in Japan 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	9.1 [7.5-10.9]
Total fertility rate (live births per women)	1.5
Hormonal contraception use (%)	0.90
HIV prevalence (%) [95% UI] (15-49 years)	<0.1 [ $<0.1$ - $<0.1$ ]

**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	-

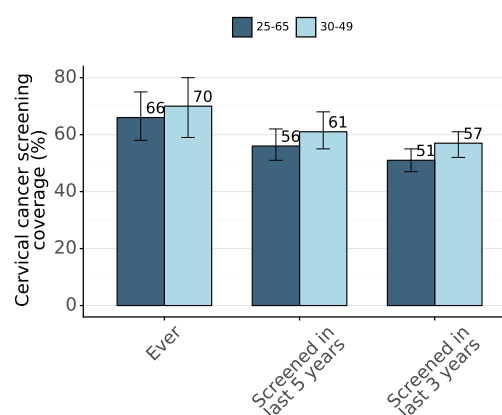
**Table 6. HPV vaccine introduction**

Females	
HPV vaccination programme	Introduced
Year of introduction	2011
Year of estimation	2021
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	Yes
Starting year of recommendations	2008
Active invitation to screening	Yes
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	$\geq 20$ (cytology, 2 years)

**Figure 2. Estimated coverage of cervical cancer screening in Japan\***



\* Estimated coverage and 95% confidence interval in 2019

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