

Japan

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

I. Key data on HPV and HPV-related cancers



Japan has a population of 57.1 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

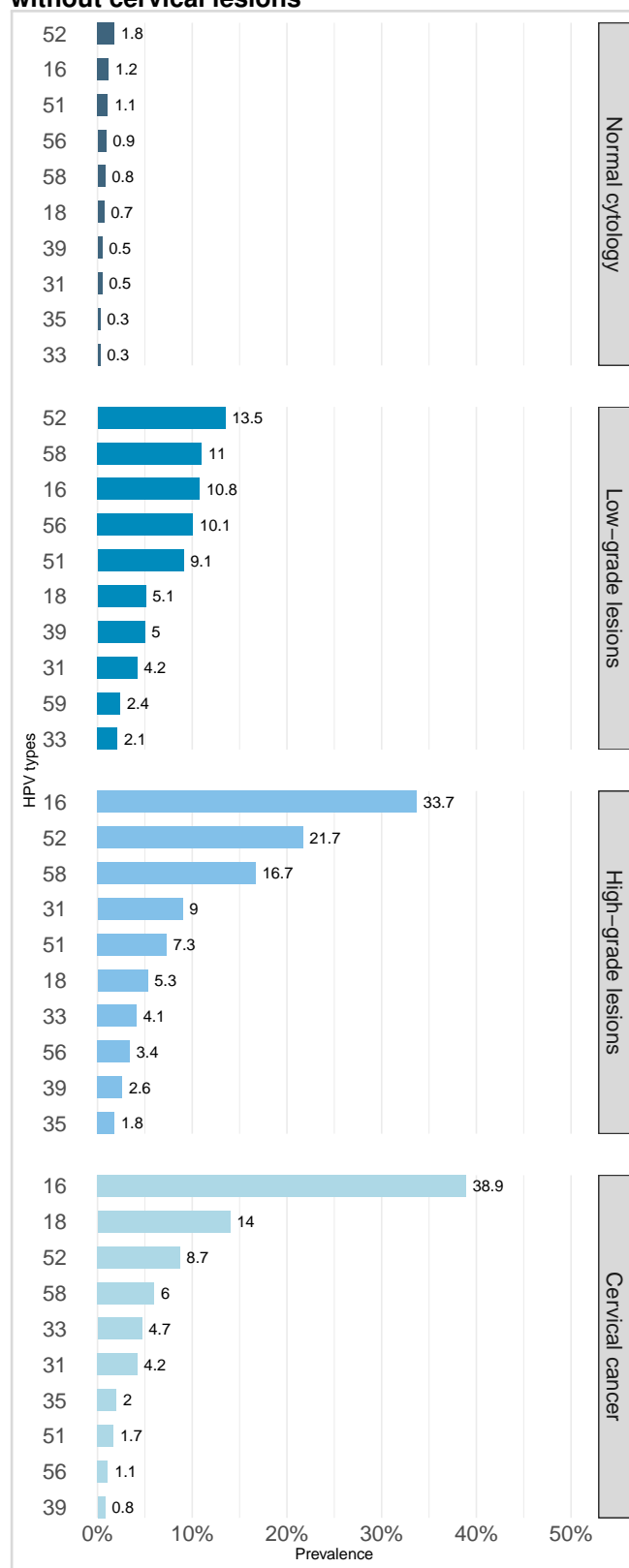
Table 2. Burden of cervical cancer

	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 in females

HPV vaccination programme	Introduced
Year of introduction	2011
HPV coverage – first dose (%) (estimation year 2019)	-
HPV coverage – last dose (%) (estimation year 2019)	-
HPV coverage – first dose (%) (estimation year 2020)	-
HPV coverage – last dose (%) (estimation year 2020)	-

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	31.1% (All women aged 20-69 screened every 2y, Cervical Screening Programme 2013 Japan)
Screening ages (years)	Above 20
Screening interval (years) or frequency of screens	2 years

Figure 2. Estimated coverage of cervical cancer screening in Japan, by age and study

No data available

^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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