

Japan

Human Papillomavirus and Related Cancers, Fact Sheet 2017 (2017-04-19)



I. Key data on HPV and HPV-related cancers



Japan has a population of 57.09 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 9390 women are diagnosed with cervical cancer and 3645 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	-	14.5
Anal cancer	0.5-0.9	0.4-0.7
Vulva cancer	-	0.5-1.2
Vaginal cancer	-	0.3-0.7
Penile cancer	0.2-1.0	-
Pharynx (excluding nasopharynx)	7.9	0.9

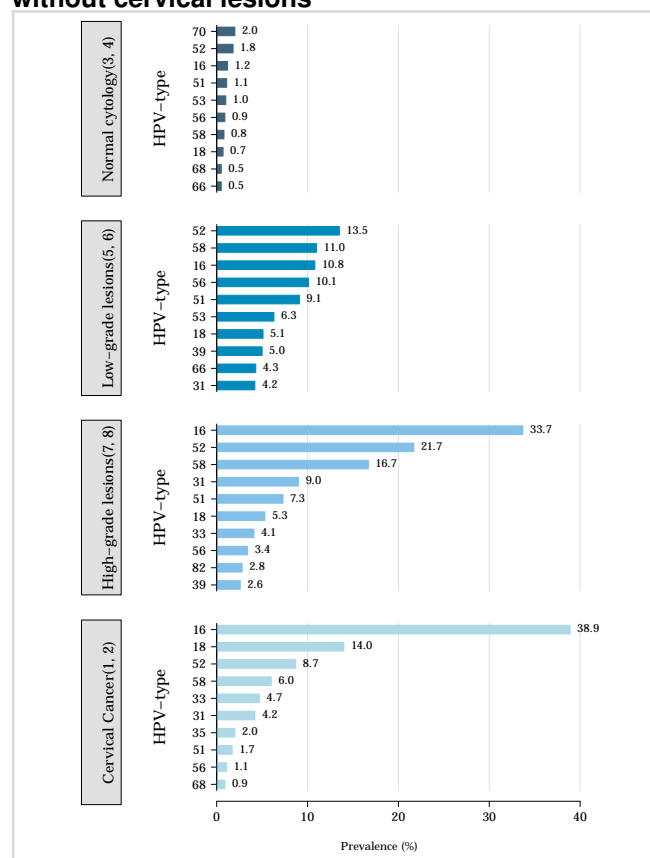
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	9390	3645
Crude rate	14.5	5.6
Age-standardized rate	10.9	2.8
Cumulative risk 0-74 years (%)	1.0	0.3
Ranking of cervical cancer (all years)	10th	10th
Ranking of cervical cancer (15-44 years)	2nd	2nd

Table 3. Burden of cervical HPV infection Japan

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	24526	10.6 (10.2-11.0)
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 (%), women	11.0
Total fertility rate (live births per women)	1.4
Hormonal contraception use (%) (pill, injectable or implant), among women	1.0
HIV prevalence (%), adults (15-49 years)	-

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	-

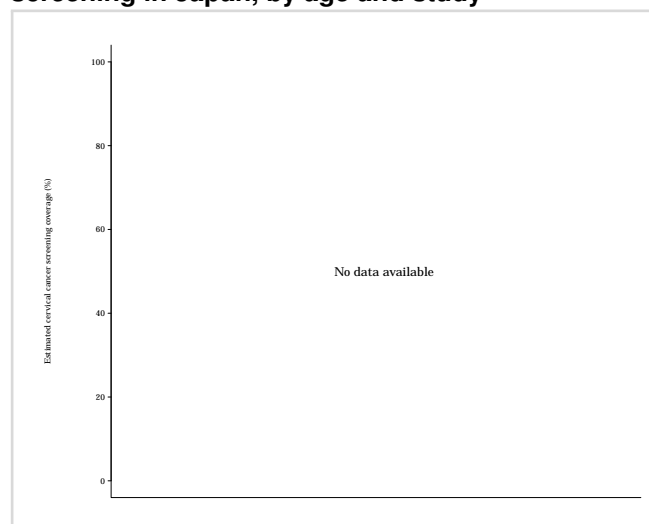
Table 6. HPV vaccine introduction

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2011
HPV vaccination target age for routine immunization	13
Full course HPV vaccination coverage for routine immunization:	
% (calendar year)	0.6% (2014 in Sapporo)

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



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