

Russian Federation

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

I. Key data on HPV and HPV-related cancers



Russian Federation has a population of 65.0 million women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 15308 women are diagnosed with cervical cancer and 7550 die from

the disease. Cervical cancer ranks as the 4th most frequent cancer among women in Russian Federation and the 2nd most frequent cancer among women between 15 and 44 years of age. About 9.4% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 73.8% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	19.6
Anal cancer	0.41	0.81
Vulva cancer	-	2.67
Vaginal cancer	-	0.63
Penile cancer	1.05	-
Oropharyngeal cancer	5.13	0.98
Oral cavity cancer	14.2	3.60
Laryngeal cancer	9.92	0.69

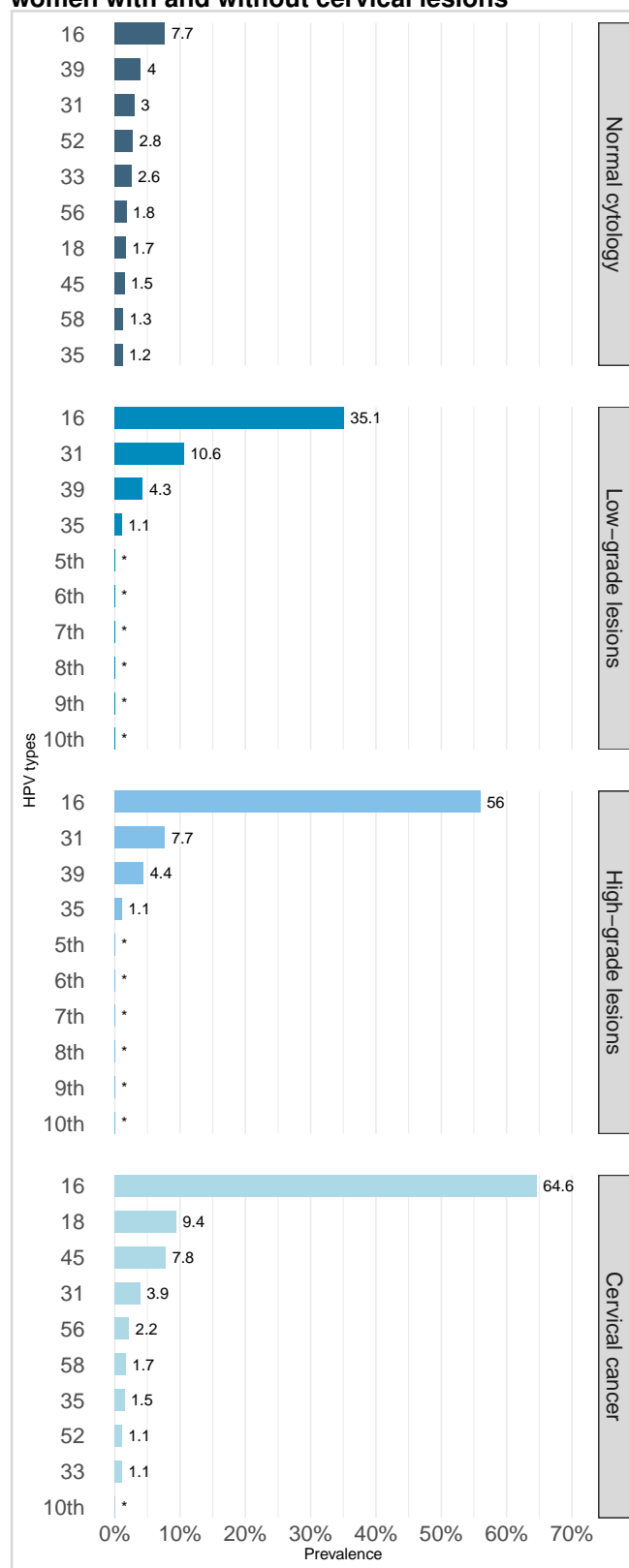
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	15308	7550
Crude rate	19.6	9.64
Age-standardized rate	14.1	6.08
Cumulative risk 0-74 years (%)	1.36	0.64
Ranking of cervical cancer (all years)	4th	7th
Ranking of cervical cancer (15-44 years)	2nd	1st

Table 3. Burden of cervical HPV infection Russian Federation

	No. Tested	% (95% CI)
HPV 16/18 prevalence:		
Normal cytology	2140	9.4 (8.2-10.7)
Low-grade cervical lesions	94	35.1 (26.2-45.2)
High-grade cervical lesions	91	56.0 (45.8-65.8)
Cervical cancer	206	73.8 (67.4-79.3)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in the Russian Federation 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	19.6 [15-25.3]
Total fertility rate (live births per women)	1.8
Hormonal contraception use (%)	13
HIV prevalence (%) [95% UI] (15-49 years)	- [—]

Table 5. Sexual behaviour

MEN	
Percentage of 15-year-old who have had sexual intercourse	26.0
Range of median age at first sexual intercourse	16.0
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	11.0
Range of median age at first sexual intercourse	17.0 - 19.6

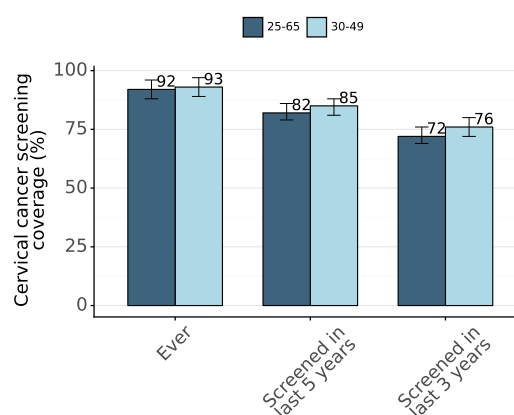
Table 6. HPV vaccine introduction

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	Yes
Starting year of recommendations	2019
Active invitation to screening	No
Screening ages (years), primary screening test used, and screening interval or frequency of screenings	18-64 (cytology, 3 years)

Figure 2. Estimated coverage of cervical cancer screening in Russian Federation*



* Estimated coverage and 95% confidence interval in 2019

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