

Israel

Human Papillomavirus and Related Cancers, Fact Sheet 2017 (2017-07-27)

I. Key data on HPV and HPV-related cancers



Israel has a population of 2.97 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 203 women are diagnosed with cervical cancer and 121 die from the

disease. Cervical cancer ranks as the 15th most frequent cancer among women in Israel and the 6th 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 Israel. However, in Western Asia, the region Israel belongs to, about 2.3% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 72.4% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	5.2
Anal cancer	0.0-0.4	0.1-0.7
Vulva cancer	-	0.5-1.6
Vaginal cancer	-	0.0-0.5
Penile cancer	0.1	-
Pharynx (excluding nasopharynx)	0.6	0.3

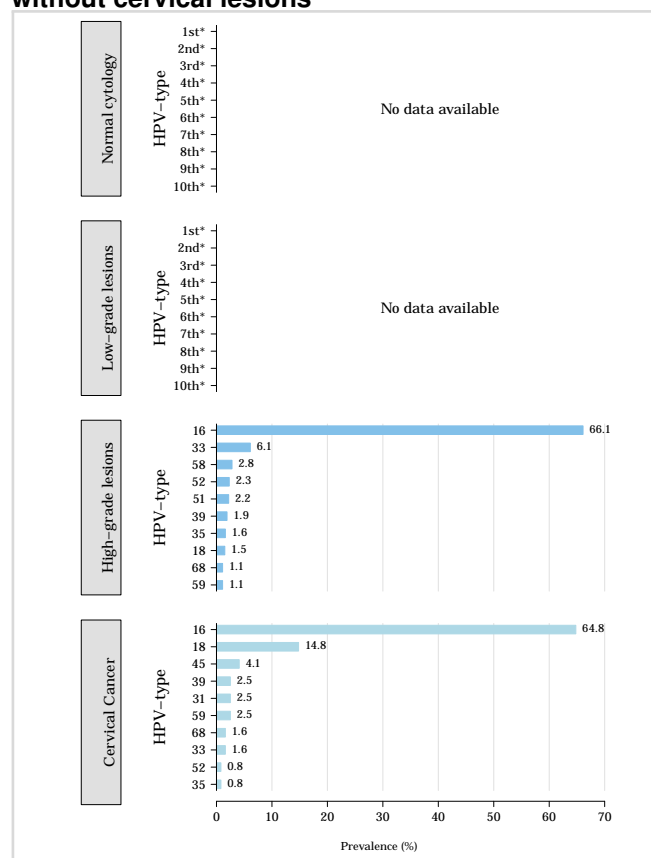
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	203	121
Crude rate	5.2	3.1
Age-standardized rate	4.6	2.3
Cumulative risk 0-74 years (%)	0.5	0.2
Ranking of cervical cancer (all years)	15th	12th
Ranking of cervical cancer (15-44 years)	6th	4th

Table 3. Burden of cervical HPV infection Israel

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	-	--
HPV 16/18 prevalence:		
Normal cytology	-	--
Low-grade cervical lesions	-	--
High-grade cervical lesions	918	67.6 (64.6-70.6)
Cervical cancer	122	79.5 (71.5-85.7)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Israel among women with and without cervical lesions



*No data available. No more types than shown were tested or were positive.

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II. Complementary data on cervical cancer prevention

Table 4. Factors contributing to cervical cancer (co-factors)

Smoking prevalence (%), women	19.8 [12.9-26.6]
Total fertility rate (live births per women)	3.1
Hormonal contraception use (%) (pill, injectable or implant), among women	13.0
HIV prevalence (%), adults (15-49 years)	-

Table 5. Sexual behaviour

MEN	
Percentage of 15-year-old who have had sexual intercourse	31
Range of median age at first sexual intercourse	-
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	7
Range of median age at first sexual intercourse	-

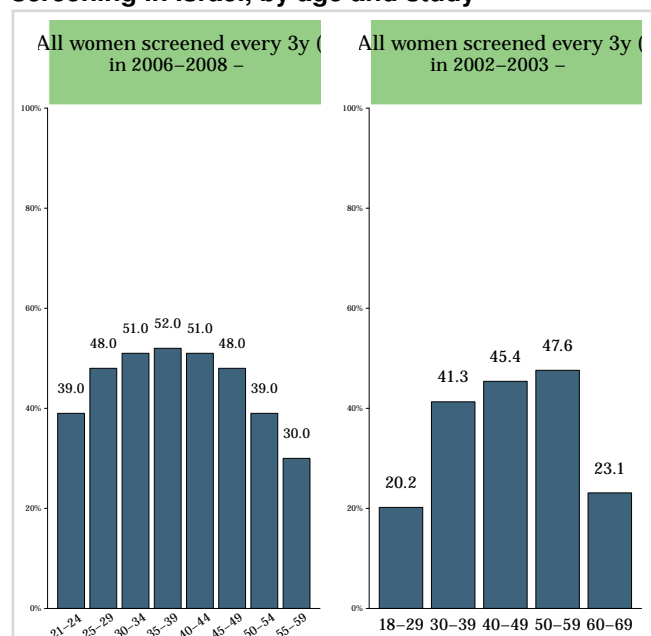
Table 6. HPV vaccine introduction

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2013

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	32.0% (All women aged 21-59 screened every 3y, Raz 2012)
Screening ages (years)	35-54
Screening interval (years) or frequency of screens	3 years

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



^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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