

Chile

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



I. Key data on HPV and HPV-related cancers



Chile has a population of 7.32 millions women ages 15 years and older who are at risk of developing cervical cancer. Current estimates indicate that every year 1441 women are diagnosed with cervical cancer and 734 die from

the disease. Cervical cancer ranks as the 4th most frequent cancer among women in Chile and the 2nd most frequent cancer among women between 15 and 44 years of age. About 2.5% of women in the general population are estimated to harbour cervical HPV-16/18 infection at a given time, and 86.4% of invasive cervical cancers are attributed to HPVs 16 or 18.

Table 1. Crude incidence rates of HPV-related cancers

	Male	Female
Cervical cancer	-	16.4
Anal cancer	0.3-0.5	0.2-1.1
Vulva cancer	-	0.4-1.3
Vaginal cancer	-	0.2-1.0
Penile cancer	0.8-1.3	-
Pharynx (excluding nasopharynx)	1.2	0.2

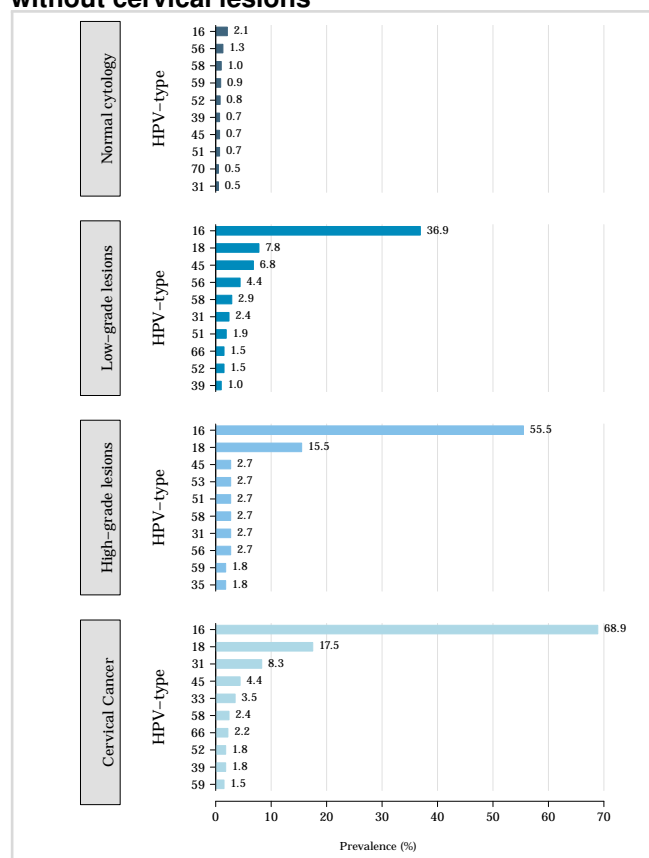
Table 2. Burden of cervical cancer

	Incidence	Mortality
Annual number of new cases/deaths	1441	734
Crude rate	16.4	8.3
Age-standardized rate	12.8	6.0
Cumulative risk 0-74 years (%)	1.3	0.7
Ranking of cervical cancer (all years)	4th	6th
Ranking of cervical cancer (15-44 years)	2nd	2nd

Table 3. Burden of cervical HPV infection Chile

	No. Tested	% (95% CI)
HPV prevalence in women with normal cytology	9235	9.7 (9.2-10.4)
HPV 16/18 prevalence:		
Normal cytology	913	2.5 (1.7-3.8)
Low-grade cervical lesions	206	44.7 (38.0-51.5)
High-grade cervical lesions	110	70.9 (61.8-78.6)
Cervical cancer	457	86.4 (83.0-89.3)

Figure 1. Comparison of the ten most frequent HPV oncogenic types in Chile 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	36.8 [26.2-47.5]
Total fertility rate (live births per women)	1.8
Hormonal contraception use (%) (pill, injectable or implant), among women	23.9
HIV prevalence (%), adults (15-49 years)	0.3 [0.2 - 0.4]

Table 5. Sexual behaviour

MEN	
Percentage of 15-year-old who have had sexual intercourse	-
Range of median age at first sexual intercourse	16.7-17.7
WOMEN	
Percentage of 15-year-old who have had sexual intercourse	-
Range of median age at first sexual intercourse	18.0-21.3

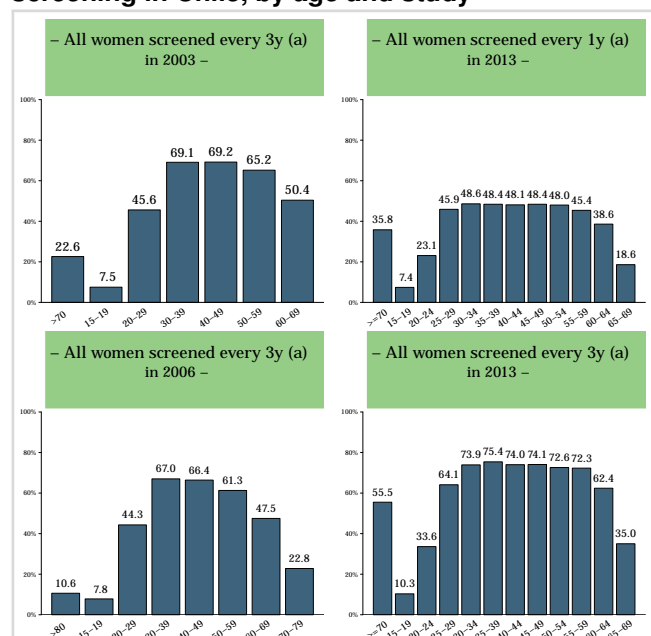
Table 6. HPV vaccine introduction

HPV vaccination programme	National program
Date of HPV vaccination routine immunization programme start	2014

Table 7. Cervical screening practices and recommendations

Cervical cancer screening coverage, % (age and screening interval, reference)	55.5% (All women aged ≥ 15 screened every 3y, CASEN 2013 Chile)
Screening ages (years)	25-64
Screening interval (years) or frequency of screens	3 years

Figure 2. Estimated coverage of cervical cancer screening in Chile, 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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