

Secondary prevention of cervical cancer

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- Most countries (67.3%, 37/55) did not achieve the WHO target of 70% cervical cancer screening coverage. Among women aged 30-49 years, the median screening coverage was <u>43.6%</u> (self-reported).



Transition in Cervical Cancer Screening 1900 - 1950s 1950s - 2000s 2000s - Today Pap smear / LBC VIA & VILI HPV tests E. 6. A) (Low technology and cost Easily trained Point of Care Subjective, low sensitivity Labor cost 50-80% sensitivity Subjective, highly depends on the gualification of cytopatholonists Labor cost Stringent tra ility of self-sampling ning and quality c













Study	Test	Population	Sample	Outcome	Sensitivity	Specificity
1	P16 cytology	HPV-positive women	1137	CIN2+ CIN3+	88% 91%	61% 59%
2	P16 cytology	HPV-positive women	793	CIN2+ CIN3+	66.9% 77.8%	NA NA
3	P16 cytology	ASCUS LSIL	385 425	CIN2+ CIN2+	92.6% 92.0%	63.2% 37.1%
4	P16/Ki67 cytology	HPV-positive & NILM	425	CIN2+ CIN3+	91.9% 96.4%	82.1% 76.9%
5	P16/Ki67 cytology	ASCUS LSIL	361 415	CIN2+ CIN2+	92.2% 94.2%	80.6% 68.0%
6	P16/Ki67 Cytology	HPV+&ASCUS LSIL	140 264	CIN2+ CNI2+	81.8% 86.8%	62.3% 57.6%
7	P16/Ki67 cytology	ASCUS+LSIL	256	CIN2+	89.7%	73.1%

	Target HP	OncoE6/E7 / types: 16,18,31,3	Eight HPV Type Tes 3,35,45,52,58 (acco	t unt for -90% of C	C)	
Screeni	ng performance	of different tests	for CIN2+ diagne	oses among HP\	/ positive wome	n
Triage tests	Colposcopy referral rate (%)	Sensitivity% (95%CI)	Specificity% (95%CI)	PPV% (95%CI)	NPV% (95%CI)	NNR
E6/E7(8 types)	17.37	67.74 (48.63-83.32)	89.47 (84.74-93.14)	46.67 (35.82-57.84)	95.33 (92.44-97.15)	2.14
Seno(8 types)	58.30	90.32 (74.25-97.96)	46.05 (39.45-52.76)	18.54 (16.16-21.19)	97.22 (92.21-99.04)	5.39
16(16/18)	11.20	51.61 (33.06-69.85)	94.30 (90.45-96.93)	55.17 (39.63-69.76)	93.48 (90.87-95.38)	1.81
Seno(16/18)	20.08	54.84 (36.03-72.68)	84.65 (79.30-89.07)	32.69 (23.80-43.03)	93.24 (90.31-95.33)	3.06
BC (ASC-US+)	50.97	87.10 (70.17-96.37)	53.95 (47.24-60.55)	20.45 (14.46-23.81)	96.85 (92.44-9	4.89
 100% sensitivity respective eight E6/E7 oncoproti colposcopyreft This is of great areas with high 	y and 86% specific t types was 43% tein detection sho errals importance to ma h HPV prevalence a	tity for CIN3+ detect wed a good "trade- minize the benefits and low-resources.	tion; while the specif off" between sensiti of HPV-based screen	ficity of LBC was 5 vity and specificity ning program, esp	1% and DNA genot y with <mark>more efficie</mark> ecially applicable f	yping fo .nt or the













Human resources and trainings in China Public publicity and education Key stakeholders GIVE LOVE 父 NOT HPV 11 2 The second second vical Cancer Cons meeting since 20 Women's Day & Internatic activities ac al HPV Av CAN 1 ativa HPV testing training on site Media transmission -- World Cancer Day Self-sampling Training in community COVID-19 boosted the nucleic acid PCR testing: labora tory platform and personnel's trainings



