







### **HPV Prevention and Control Board Meeting on:**

The role of HCP in HPV vaccination and screening programme implementation – Prevention and control of HPV and HPV related cancers in Romania BUCHAREST, ROMANIA, 15-16 /05/2018

### **HPV Primary Screening in Romania**

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"Ion Chiricuta" Institute of Oncology, Cluj-Napoca, Romania









Mortality

### Introduction - rationale (why HPV screening?)

A. Cervical cancer incidence and mortality rates are the higest among EU (GLOBOCAN2012)

#### Main cause:

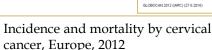
Diagnosis of cervical cancer especially in advanced stages because of

low QA/QC capacity of national organised cervical cancer screening program:

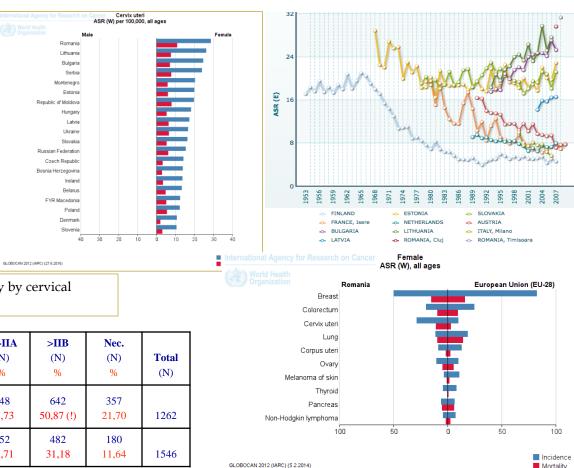
screening intensity

test QA

follow-up OA



-up QA					
	IA (N) %	<b>IB-IIA</b> (N) %	>IIB (N) %	Nec. (N) %	Total (N)
Romania NW Region (2006 – 2009)*	71 5,63	148 11,73	642 50,87 (!)	357 21,70	1262
Finland (2000 – 2009)**	332 21,47	552 35,71	482 31,18	180 11,64	1546











IARC Reports on cancer screening programs implementation in EU Member States - 2007/2016 -based on IOCN Screening Management Unit work:

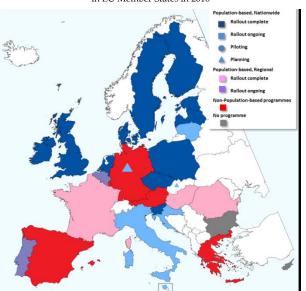
1996-2003 phaesability study and pilot organised cervical cancer screening planning-regional 2002-2008 – cervical cancer screening organised regional pilot 2012 – National roll -out



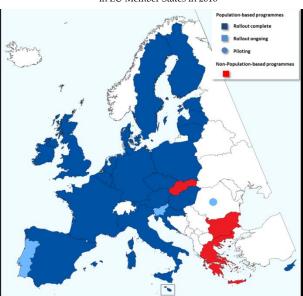


Figure 4 a. Cervical cancer screening programmes in the European Union in 2007, by programme type (popula

Status of implementation of cervical cancer screening programs in EU Member States in 2016



Status of implementation of breast cancer screening programs in EU Member States in 2016



2014-2017 HPV primary cervical cancer screening regional pilot - CEDICROM - Norway Funds

2018-2023 MoH planning of roll-out to 4 DR – EU Funds –promotor IOCN together with, NIPH

IOCN,2018









# CEDICROM Project – Why HPV Primary screening in Romania?

- proved better test performance
- low human and BP labs QA/QC
- Ahti Antilla's "empty table "in organising cc screening in Romania too late for start citotechnicians training in HPV era
- Door to door "invitational sistem focused on defavorised groups in remote areas with mobile units, HPV added value to both assisted and self-sampling









#### **CEDICROM A – main objective:**

rising coverage of Organised National Cervical Cancer Screening Program (NCCSP) and test QA/QC in compliance with European Guidelines, integrating HPV primary screening according to EU Guidelines

Target population: 12.000 asymptomatic women between 25-64 years old

Mainly suburban and isolated rural areas, targeting screening uninfrormed and resistant women

paisans "moti, mocani" in Apuseni Mountains, roma, slovakian, ucrainean, russian, hungarian, macedonian

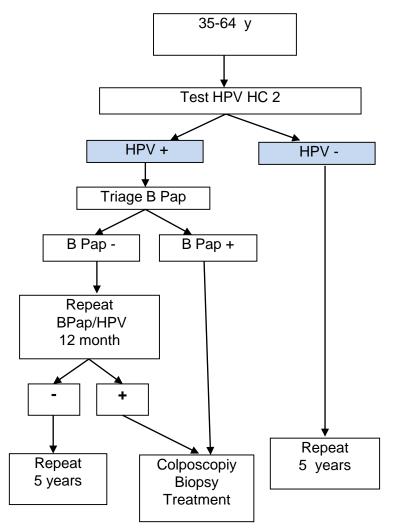
( one of two women at risk were tested in Cluj County tested in two 5 years screening rounds, mostly urban )

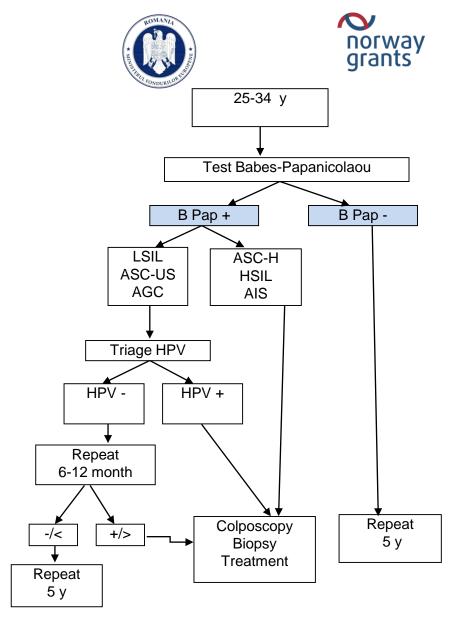
Organisation of first public HPV screening dedicated lab
Organisation of HPV primary screening integrated in BP screening
HPV test information and informed consent with self-sampling possibility - Norway model
New screening strategy:





















### Information activities

- Partnerships with administrative liders (Bihor, Bistrita Nasaud, Cluj, Salaj Counties), schools, churches, ethnical groups, nongouvernamental local organisations
- 78 informational activities in different communities, Romanian Cancer Society through sanitary mediators
- Activities:
  - 35.000 informative flyers distributed in communities
  - Meetings with groups of women at risk
  - mass media press conferences
- Counties visited: Cluj, Alba, Bacau, Bihor, Bistrita Nasaud, Constanta, Gorj, Hunedoara, Maramures, Satu Mare, Salaj, Tulcea, Vrancea, etc, mostly rural



Campeni 31.07.2015





#### Proiect desfășurat de

Institutul Oncologic "Prof. Dr. Ion Chiricuță", în calitate de Promotor, în parteneriat cu Oslo Universitetssykehus HF/Kreftregisteret din Norvegia, finanțat prin Granturile Norvegiene 2009-2014, în cadrul Programului RO 19 Inițiative în sănătatea publică, derulat de Ministerul Sănătății.

#### Project implemented by

"Prof. Dr. Ion Chiricuţă", as promoters, in partnership with Oslo UNIVERSITETSSYKEHUS HF/ Kreftregisteret in Norway, financed by Norway Grants 2009-2014, within the Program RO 19 public health initiatives implemented by the Ministry of Health.











#### SCREENINGUL CANCERULUI DE COL UTERIN



Creșterea capacității sectorului de sănătate românesc pentru a pune î aplicare programe de screening organizat pentru cancerul adecvat la intervenții de detectare precoce eficiente.

Increase capacity of the Romanian health sector to implement organized screening for cancers amenable to cost-effective early detection interventions.













"Creșterea capacității sectorului de sanatate românesc de a pune în aplicare programe de screening organizat pentru cancer"

Proiect finananțat prin Mecanismul Financiar Norvegian 2009-2014 în cadrul Programului RO 19 Inițiative în Sănătate Publică

În parteneriat cu
••••••
invitãm femeile cu vârste cuprinse între 25-64 de ani
sã efectueze gratuit testul Babeş-Papanicolau
(testul pentru depistarea precoce a cancerului de col uterin)
Recoltarea testului va avea loc în data de
la

Programări pentru recoltare și informații

Testul se interpreteazã la Institutul Oncologic Cluj





## Informative flyers in communities languages, roma, hungarian russian, slovakian











#### SKRÍNING KRČKA MATERNICE





#### So si "te dikhes" o kanćero peresqo?

Te asti te dikhes si jekh proceso savo o testo Babes-Papanicolau dikhel dake āj zuvlā si les sau naj les kanćero le pereqe.

#### So si o testo Babes- Papanicolau?

Si jekh testo savo si astil te rekoltil numaj te lel p-o per lokore ten a dukhal aj palal kode te dikhel pes k-o mikroskopó.

Äl maj but guvlä kaj keren o testó sikavel ke naj len khanći, aj o testo si kerdo palal pangi

Jekh ʒuvli an⊙-ar biś ʒuvlā, o testó sikavel ke

#### Sar asti te 3as te keres o testó?

O testó si bilovenqo zuvlenqe kaj si les 25-64 berš. Te kerel o testó trebal te 3al k-o doktoró aj dake bokinav o asigurară aj na, te primisarav o formularó- jekh biletó kaj sikal ken a trebal te pokinav.Aśti te kerav o testo an⊙-o proiektó CEDICROM, anO- ar āl inviteturā ai āl listurā save keren o testó.

**MODIOROM** 

#### Kon kerel manege o testó?

Asti te dikhav vi ko medico jekh lista kaj aśti te kerav mange o testó( ăl kabinetură, ăl ginekologură dokori).

Si man o dreptô te 3av ko äl kentrô kaj kamav kaj prezentisaraman le biletosa.AnO-o proiektó CEDICROM I invitatia avel manqe khere, o formularó aj äl kentre.

#### So trebal te kerav kana kerav o testó? Nasti te keres o testó kana san nasfali,

Na folosin miilocă kontraćentivură ceasură anglal te keres o testó!

#### Sar aj kana dikhav äl rezultaturä? O medico savo las mange o bileto del man o

An⊙- o projekto CEDICROM dikhav o rezultato an⊙ o centro kaj kerdem o testo. Trebal te dikhav o rezultato anO-o jekh chon kana ker-

#### So insemnol o rezultató le testogo

Aśtil pest e primisaren jekh rezultató nelaśo aj o testo trebal kero an⊙-ar kodoja ke :

- . asti te si tumen jekh infekcie savi trebal kerdi anglal te keren o testó
- . Si celuis aétin te aven le rateca na sas suficentură celulă te dikel pes o frotio na sas lino misto, aje lama
- musardăs pes.

#### päresge dikhipen



**MONDIDEO** 

#### So si kana äl rezultatură si an O- o limutră normalură?

O rezultato- o mediko del man jekh bileto

#### So si kana o rezultató naj lacho?

Si posibilo ke o mediko te phenel tuqe te aves te keres pale o testo an O-o trin-sov chona le testoko le indikaturāle citologo te dikhel sar madificisarel pes vareso aj save astil te tratol pes othe

Si posibilo t eaves indrumome le kabiko testo HIV tratamento anO-e kodoja kai apărol nasul, aj aparol tut te na keres Kancero.

#### So astil te anel manqe o testó aj save si legä limutră? Asti te dikhav dake sim sastevesti aj nai mas

Dakā si mas vareso k-o kolo aj te na avel man-

qe simptomură, te na ʒanav , te dikhav kana si man vareso aj asigurima ke naj maj kancero le

Ăl limutură le testogo : asti te dikhes aj te tratis savor kancerură, asl pes ke o testó ten a dikhel ke vareso naj misto, ai astil te kondućisarel te keres kance Fill and sign docur ašil pes te na dikhel pes e diferentura aj o doktoro ten a dikhel äl diferenturä vi dake zanel but misto

#### РАК ШЕЙКИ МАТКИ

#### Что такое скрининг рака шейки матки?

которого тест Папаниколау обнаруживает есть ли или нет у женщины предраковы

#### Что такое тест Папаниколау?

Это тест который состоит из безболезненного сбора щеткой клеток из после которого их фиксируют на тонкук что все нормально и тест будет повторен через 5 лет. Для одной из 20 женщии, тест обнаружит

#### Как я могу делать тест?

женщинам в возрасте 25-64 лет предлагают бесплатный скрининг. Чтобы делать тест я должна идти к семейному врачу, не имеет значение - есть у меня или нет страхования, для того, чтобы получить бланк – направление, которые обеспечат мне бесплатный тест. Могу делать тест в рамках проекта КЕДИКРОМ - CEDICROM на основании приглашения участвующих в проекте.

Кто сделает мне тест?
Я найду и у семейного врача список медицинских центров, где бесплатно проведут сбор клеток (кабинеты семейных врачей, гинекологии или планирования

семьи).
Я имею право выбирать центр сбора, в котором я представлюсь с направлением врача. В разнах проекта КЕДИКРОМ я получу дома приглашение, бланк и список центров сбора. Что нужно сделать перед тестом:

#### Как и когда я получу мои результаты?

#### неудовлетворительный результат теста?

теста?

Существует возможность получить неудовлетворительный результат теста надок в этом случае тест надо немедленно повто у вас есть инфекция, которую вадо дечить перед повторением теста;

• клетки шейки матки из мазка возможно были замаждкированы кровью возможно были замаждкированы кровью

выдат повое направление череб 3 лет. Что делать, семи результат теста выходит за пределы пормы? Вволие возновью, что сечейной ври чтобы повторить тест из пидихадию цетоско, чтобы селедть за развижения чтобы повторить тест из пидихадию цетоско, чтобы селедть за развижения возновков Все паправат в кобниет возновков Все паправат в кобниет возновковати. Для доводительной возновковати. Это доводительной на преводить лечение предотращия, на преводить лечение предотращия, неизменений, передотращия, неизменений, передотращим, неизменений, н

оак шейки матки.
Пределы теста: несмотря на то, что
заниее выявление и лечение может
предотвратить большинство случаев рака,
тест может иногда быть не в состоянии









#### СКРИНИНГ РАКА ШЕЙКИ МАТКИ













MÉHNYAKRÁK-

O IOCN (MOE)



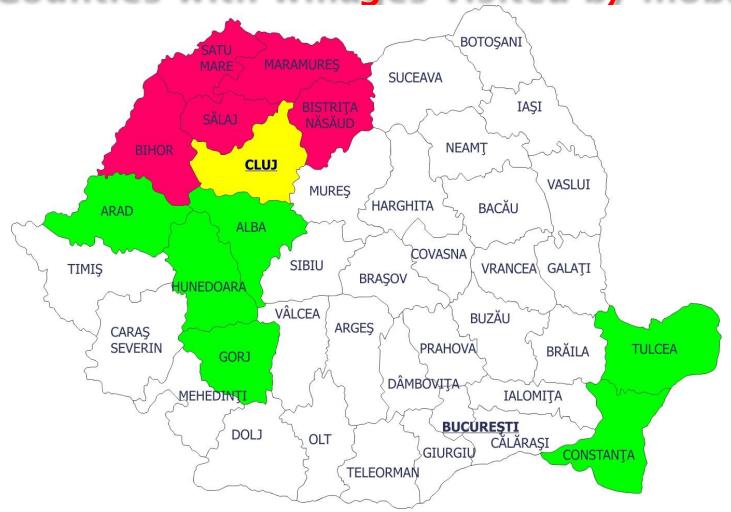








Counties with willages visited by mobile













Number of

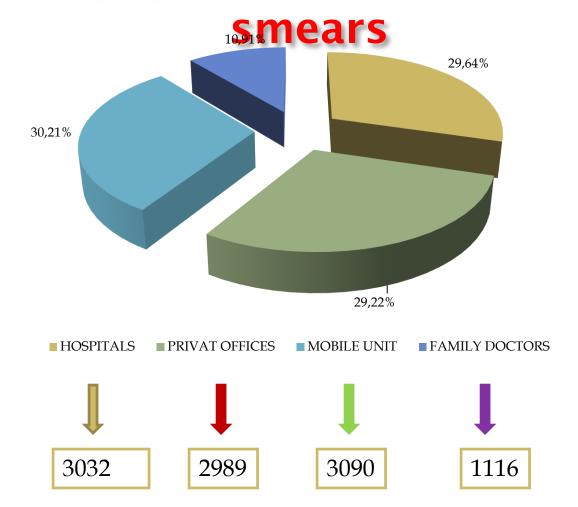
tests







## **CEDICROM** network for taking



Source: CEDICROM Cytology Database



# CEDICROM screening voucher

Serie formula	tează la nivelul cabinetului		CNP					
	" 01151							
Nume			Prenume _					
Adresa: judeţ	localitate	strac	la,nr					
Cabinet medical (nume,	adresa, telefon)				medi	c de famil	lie	
Urban	Rural	Etnia:	romă	u	craineană		alte	
Antecedente personale	(bifaţi în căsuţele corespun:	zătoare)						
	subtotală pentru: afecțiu		ecţiune malig	nă				
Centru recoltare	eteaza la nivelui centrului	de recoltare)	Med	lic recolt	or			
Data recoltării/_	1	Data ultimei mer						
Status hormonal	☐ Ciclică	Status postterap				el cervica		postradioterapie
otatus normonai	Sarcină	Purtătoare de Di	U	ait ourio	or accur o	5, 00, 1,00		postchimioterapie
	Menopauză	Leucoree		-				
	Lăuzie (12 săpt.) Alăptare	Sångerări:	la conta					
Aspectul colului	cu leziuni vizibile	În antecedente:		ări ale c	olului			
Aspectui colului	fără leziuni vizibile	in antecedente.				lescriere		
Sectiunea 3 (se compl	etează la nivelul laborator	ului de analize me	dicale)					
Citologie	nvenţională	nediul lichid						
	efectuează citirea: medic c	e specialitate: anot	omie-natolog	nică				
ersonalui medical care semnătura, parafa)	erectueaza citirea, medic c	e specialitate, anat	ornie-patolog	,ica				
Medic laborator			_ biolog					
	atomie-patologică care cer	ifică rezultatele noz						
semnătura, parafa)	latornie-patologica care con	anda rezultatele poz						
Numărul lamei	Data	primirii lamei	11		Data	interpreta	ării	1 1
Calitatea frotiului:  sat		celule endocervi			ice: □pr	ezente	absent	е
Descrierea frotiului:	Trichomonas Candida Gardnerella vaginalis Actinomyces		suficientă		inflamat postradi la purtăte celule e	altele orii ioterapie/ oare DIU ndometria	chimiotera ale la fem posthiste	apie ei > 40 ani
	☐ Virusuri herpes simpl ☐ altele	ex		-	altele			
☐ Anomalii ale	celulelor epiteliale scuamo	ase	Anomal	ii ale cel		eliale glar	ndulare	
	ASC-US			AGC e	ndocervica	ale NOS		
	ASC-H				ndometria	le NOS		
	LSIL LSIL cu at	ipii HPV uspiciune de invazie	-	AGC N	ndocervica	ale în favo	narea nec	nlaziei
	arcinom scuamos	opiolario do irrazio		AGC g	landulare	în favoare	ea neopla	ziei
				Adeno	carcinom i	n situ	cervical	□NOS
☐ Alte neoplaz	rii		_	Adello	Carcinom	endor	metrial	extrauterin
	 ıni intraepiteliale sau mali	ane						
	etare: deficiență de rec		ă tratament a	ntiinfect	ine / antiin	flamator		
	etare de rutină dacă rezulta		a tratamont t	a number	ioo i dilaii	indiritator		
Псо	nform protocolului în cazul r	ezultatului pozitiv						
	☐ biopsie		retaj endome			]testare	HPV	
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## **CEDICROM screening database - online acces**

web based application, on-line acces for all stakeholders

http://oncologic.netlogiq.eu





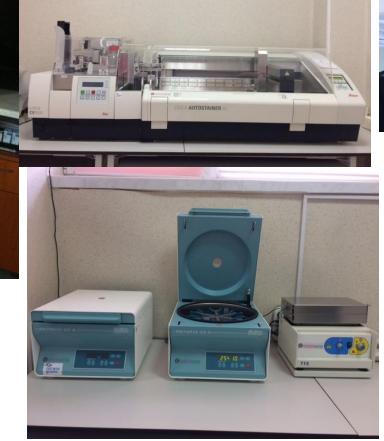




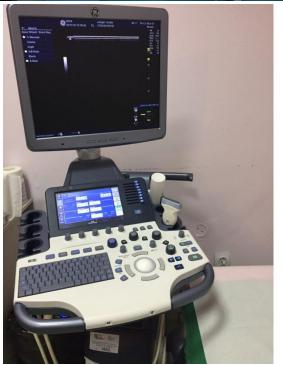




















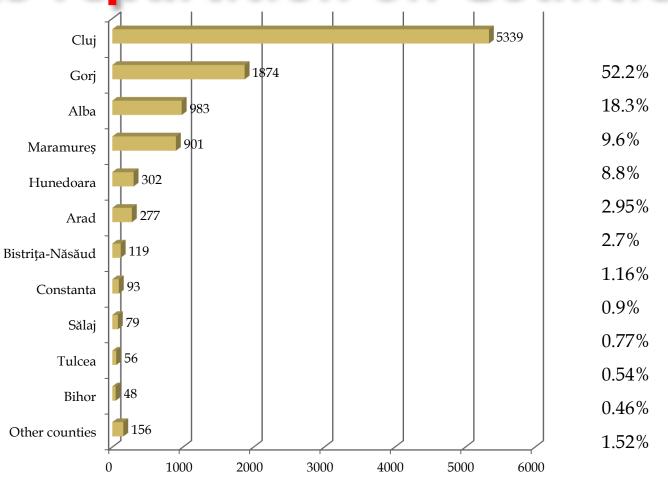






### norway grants

## Tets repartition on Counties



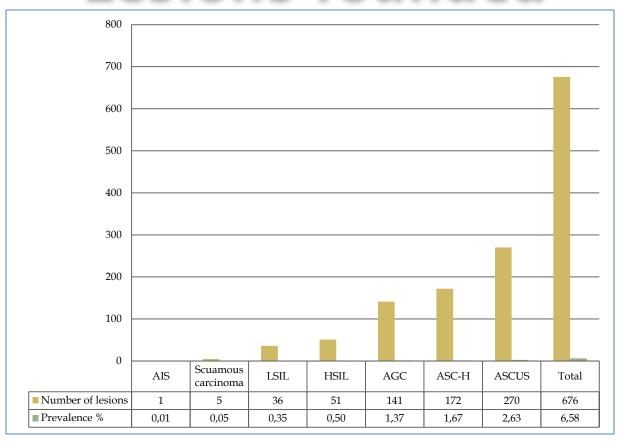
Source: CEDICROM Cytology Database







## Lesions founded



Source: CEDICROM Cytology Database





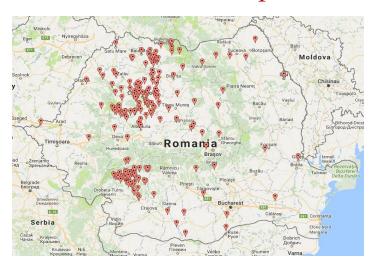




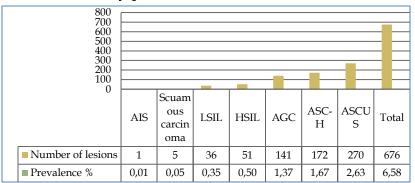
### 10.227 BP and 2.400 HPV tests- geografical distribution of positives



Gorj-18%
Alba-9.6%
Maramures-8.8%
Hunedoara-3%
Arad-2.7%
Bistrita-Nasaud-1%
Constanta-1%
Salaj-0.8%
Tulcea-0.5%
Bihor-0.5%



#### Dysplasia and cancers detected



Source: CEDICROM Cytology Database

Unsatisfactory smears = 4,07% (419)

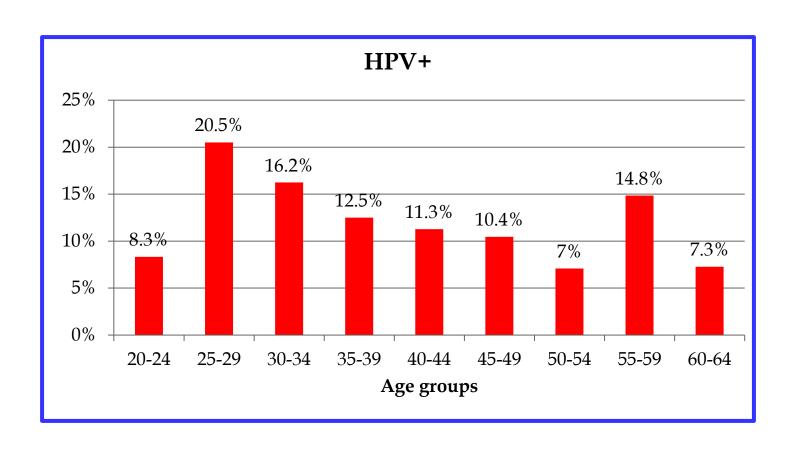








## **HPV+ prevalence CEDICROM**











HPV+ prevelence related to dysplasia in different ethnical

groups

	Etnie								
Cytology	Roma (%)		ınian (%)	Slovakian (%)		Ucrainian (%)		Prevalence (%)	
ASCUS	4	2%	43	5.6%	-	-	3	5%	50 (4.7%)
ASC-H	4	2%	34	4.4%	ı		1	1	38 (3.6%)
LSIL	1	-	6	0.8%	1	-	-	-	6 (0.5%)
HSIL	1	0.5%	6	0.8%	1	-	1	1.7%	8 (0.7%)
AGUS	1	0.5%	19	2.4%	ı	1	1	1	20 (1.9%)
HPV+ total	10	5.1%	108	13.9%	0	-	4	6.8%	122 (11.6%)
HPV -	155	79.5%	666	86%	20	100%	55	93.2%	897 (85.5%)
Unsatisfacatory	30	15.4%	-	-	-	-	-	-	30 (2.8%)
Total	195	(100%)	774	(100%)	20 (100%)		(100%) 59 (100%)		1048*









## **CEDICROM Main Results**

- CEDICROM rised screening intensity = PARTICIPAtTION information + direct acces to BP şi HPV tests
- □ CEDICROM used 3 mobile units, performing 175 visits in rural and suburban communities, taking 3023 BP and 2400 HPV primary screning samples, last 500 within a randomised self-sampling trial with 21% participating women from 2388 informed/invitated, 36% chosing self-sampling (data in proceesing for publication).
- At last, but not least, IOCN reference regional pathology/HPV laboratory, colposcopy assesment/ treatment/follow-up ambulatory resources were updated with training, guidelines and new machines, being able now to follow entirely EU QA recommendations for both test and follow-up performances.
- □ CEDICROM certainly rised awareness on cervical cancer prevention issues among such groups of women and in general population in isolated and underserved areas on cervical cancer prevention, and among care providers and decisionmakers.









## **CEDICROM** impact

- © CEDICROM released evidences that allready improved NCCSP methodology in terms of information/invitation/acces MoH Order 377 from 03.03.2017, targeting rising screening intensity, introducing direct acces of women at risk to gynaecologic ambulatories and mobile units
- CEDICROM allready convinced MoH decision makers to invest in mobile units infrastructure for to all regional screening networks ( August this year more 8 units)
- CEDICROM concluded HPV primary screening regional pilot in may 2017 and promoted future sustainability and roll-out to other regions









## Further IOCN Projects

- Together with NIPH EU Funds POCU 4.9. roll-out of HPV primary screening integration
- Phase I: Methodology, Training, National Information Campain – HPV information dissemination through population and professionals involved
- Phase 2 : Implementation in 4 Regions X 140.000 tests in each Region
- Norway Funds project on follow-up in communities in remote areas - one see and treat visit: HPV Care/colposcopy/coldcoagulation – CEDICROM 2
- Norway Research Funds research project on stratified risk of HPV + women



















## For further information please visit:

http://www.iocn.ro/

http://cedicrom.iocn.ro/

http://eeagrants.org/

http://www.norwaygrants.ro/

http://www.ms.ro/

http://www.initiativeinsanatate.ms.ro/