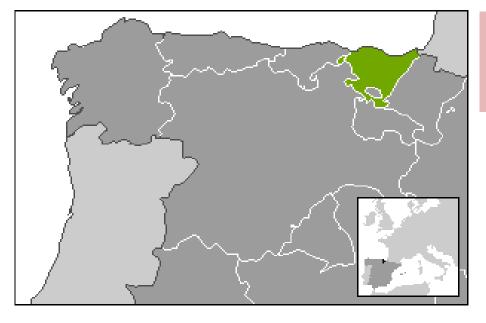
3rd EUROPEAN COLORECTAL CANCER DAYS: BRNO 2014 - PREVENTION AND SCREENING 25-26 April 2014, Brno, Czech Republic



# THE STRATEGY AND RESULTS OF THE COLORECTAL CANCER SCREENING PROGRAMME IN THE BASQUE COUNTRY

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## The Basque Country Autonomous Region

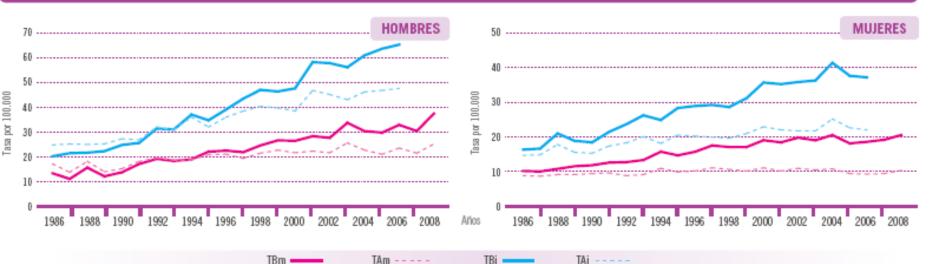
- 2,200,000 inhabitants
- very industrialized
- Autonomous Government

Screening Programmes	Туре	Started	Coverage
Breast Cancer	Population based	1990	100%
Colorectal Cancer	Population based	2009	100%
Cervical Cancer	Opportunistic	1999	65-82%



#### Incidence and Mortality rates trends in colon cancer 1986-2008.

FIGURA 1. EVOLUCIÓN DE LA INCIDENCIA Y MORTALIDAD DE CÁNCER DE COLON POR SEXO Y AÑO. CAPV



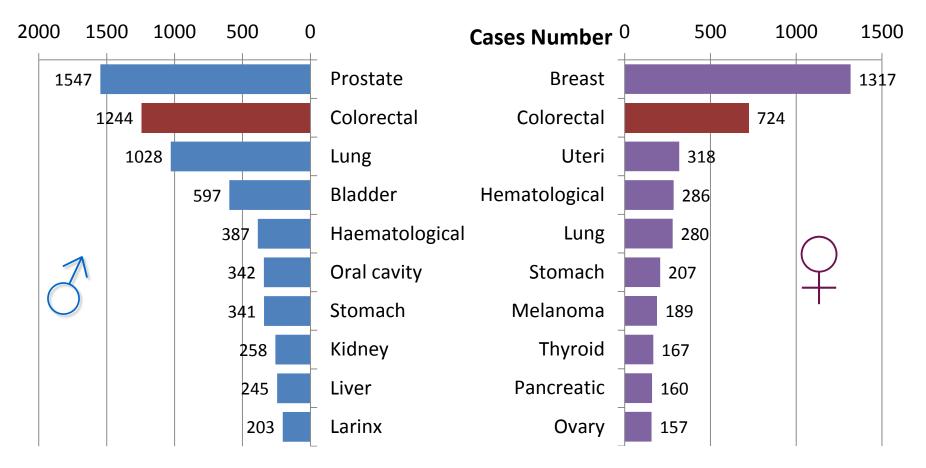
Incidence and Mortality rates trends recto-simgma union and anus 1986-2008.

FIGURA 1. EVOLUCIÓN DE LA INCIDENCIA Y MORTALIDAD DE CÁNCER DE UNIÓN RECTO-SIGMOIDEA, RECTO Y ANO POR SEXO Y AÑO. CAPV



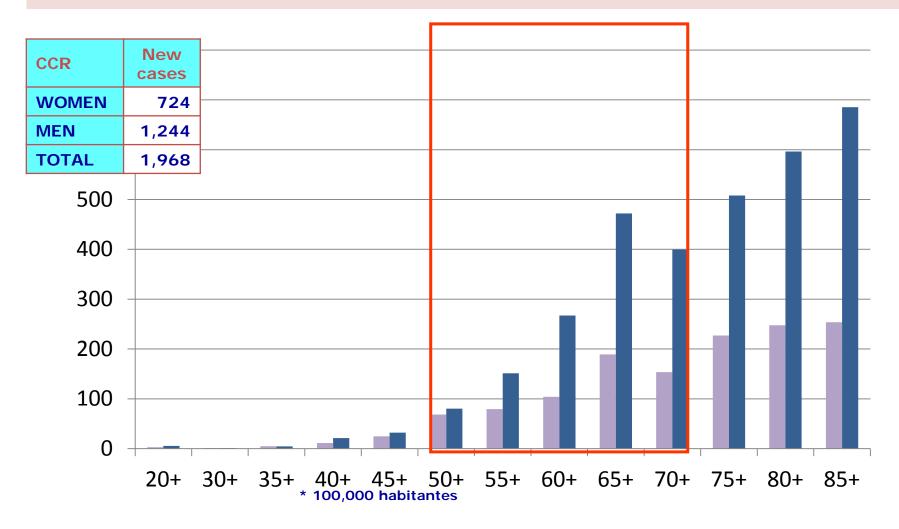
#### THE 10 MOST FREQUENT LOCATIONS OF CANCER IN THE BASQUE COUNTRY 2009

#### CCR. 1st in Incidence both sex





#### INCIDENCE SPECIFIC RATE BY AGE GROUPS AND GENDER IN THE BASQUE COUNTRY – 2009







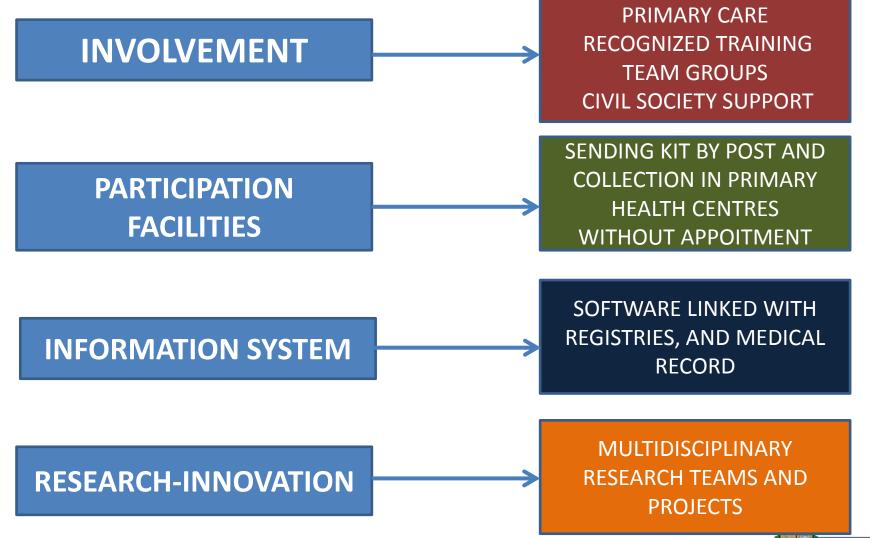


#### **RECOMENDATIONS: Cancer Advisory Council** for the Basque Country 2008

- FOBT (inmunochemical quantitative test ) every two years
- Complete colonoscopy under sedation for case confirmation
- Target population: 50-69 years (EU 2003 50 to 74)
- Centralized Programme Coordination
- Engaging Primary Care and Specialized Care
- Information System linked with medical record

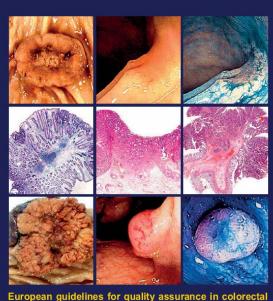


## STRATEGY TO CARRY OUT THE PROGRAMME





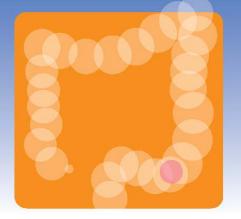
#### EUROPEAN GUIDELINES (2011) AND SPANISH SCREENING COLONOSCOPY GUIDELINES (2011)



European guidelines for quality assurance in colorectal cancer screening and diagnosis *First Edition* 



GUÍA DE PRÁCTICA CLÍNICA DE CALIDAD EN LA COLONOSCOPIA DE CRIBADO DEL CÁNCER COLORRECTAL



GRUPO DE TRABAJO AEG-SEED PROGRAMA DE CALIDAD EN COLONOSCOPIA DE CRIBADO

#### **Recommendations**

Organization

**Test using** 

**Colonoscopy indication** 

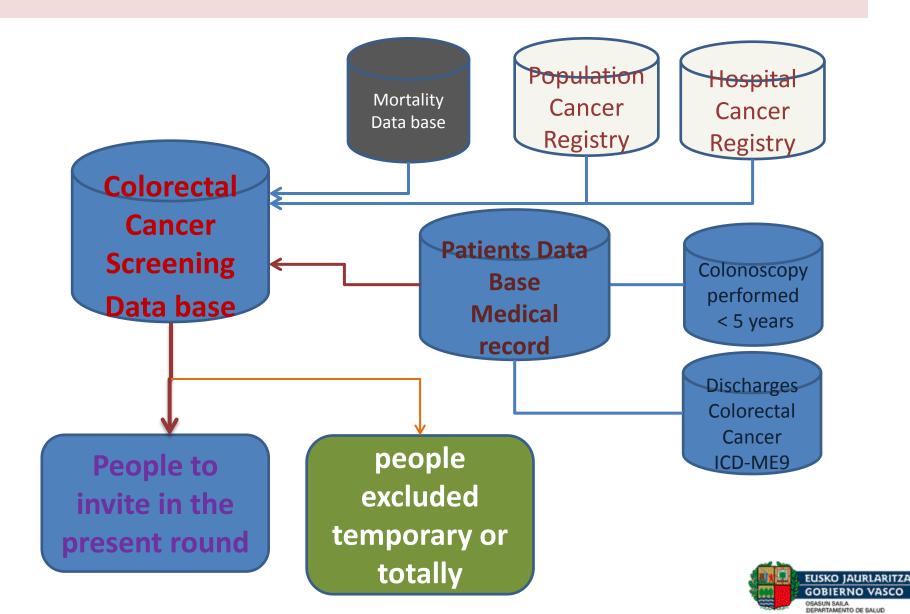
**Colonoscopy quality** 

**Criteria and indicators** 

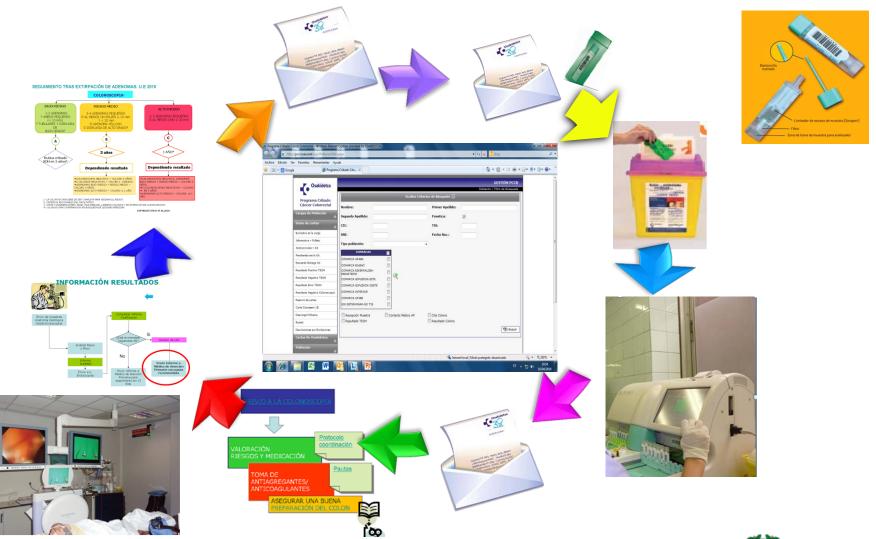
**Evaluation** 



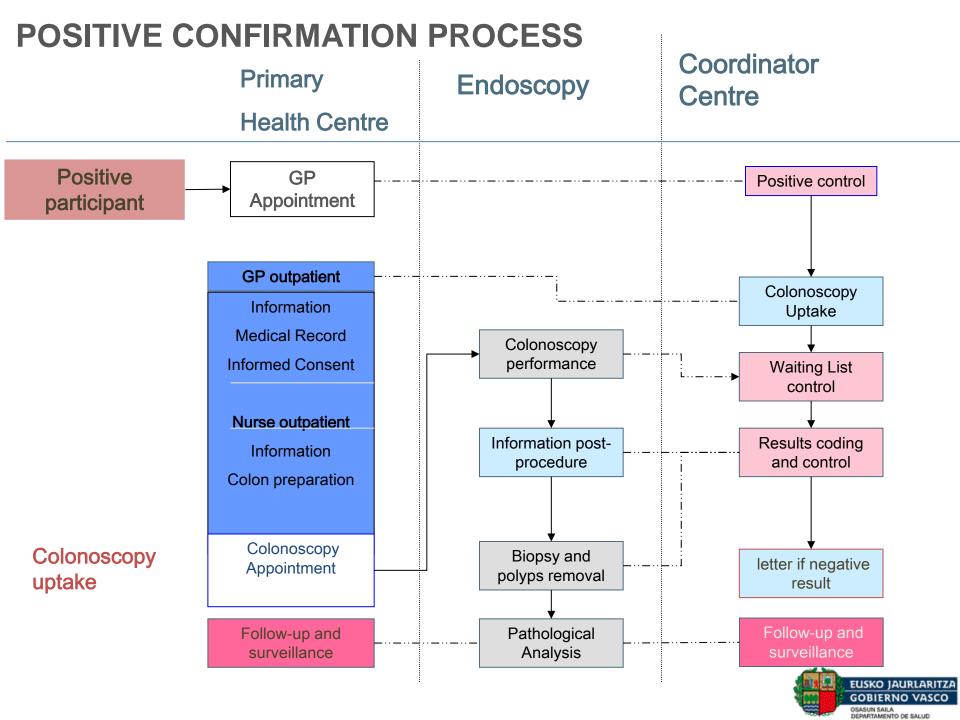
## **POPULATION SELECTION TO INVITE**



## **INVITATION PROCESS**



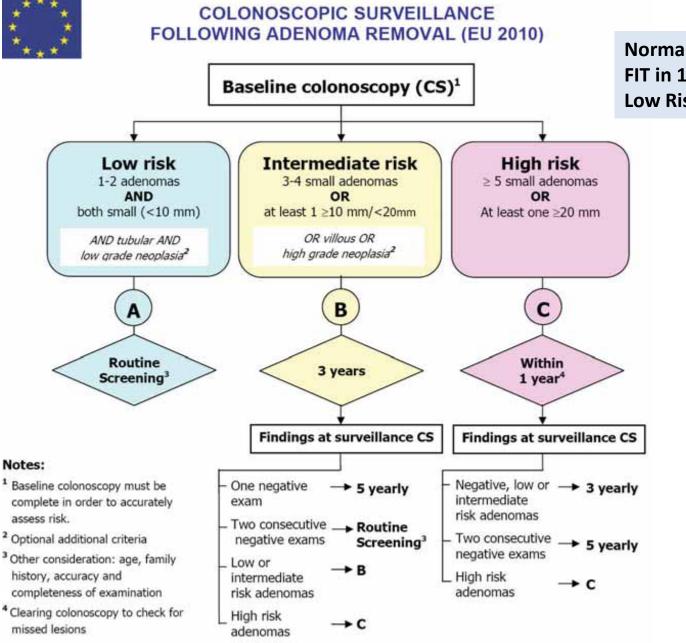






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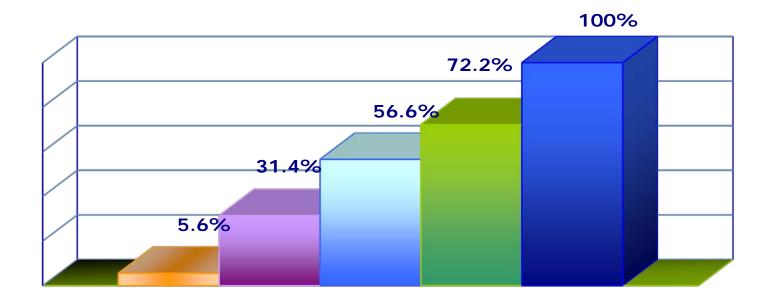
Normal and Hiperplastic Polyps FIT in 10 years Low Risk - FIT in 5 years



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## **GENERAL OBJECTIVE and COVERAGE**

To reduce incidence and mortality rates in CRC by pre-malignant and malignant lesions detection and treatment



**2009 2010 2011 2012 2013** 





# RESULTS OF THE COLORECTAL CANCER SCREENING PROGRAMME FIRST AND SECOND ROUND



#### **1st ROUND INVITED POPULATION AND MAIN RESULTS**

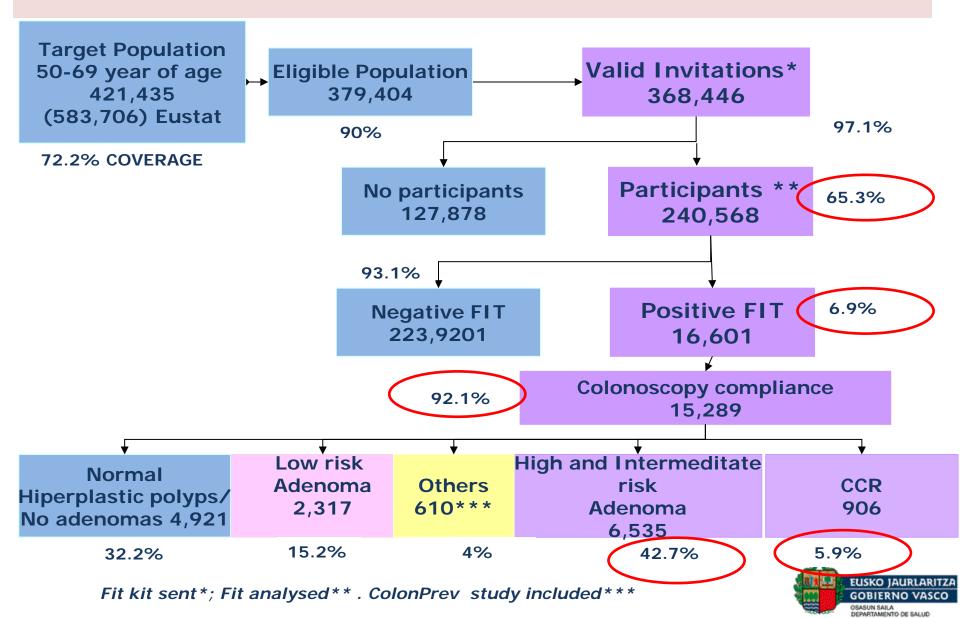
#### 03/26/2014

Year	Valid Invitations	Participants	Particination Rate	High and Intermediate Risk Adenoma detected	CCR detected
2009	32,017	18,658	58.3	656	75
2010	110,195	72,090	65.4	1,944	288
2011	96,838	63,093	65.2	1,656	230
2012	129,396	86,727	67.0	2,279	313
TOTAL 1 <sup>st</sup> Round	368,446	240,568	65.3	6,535	906

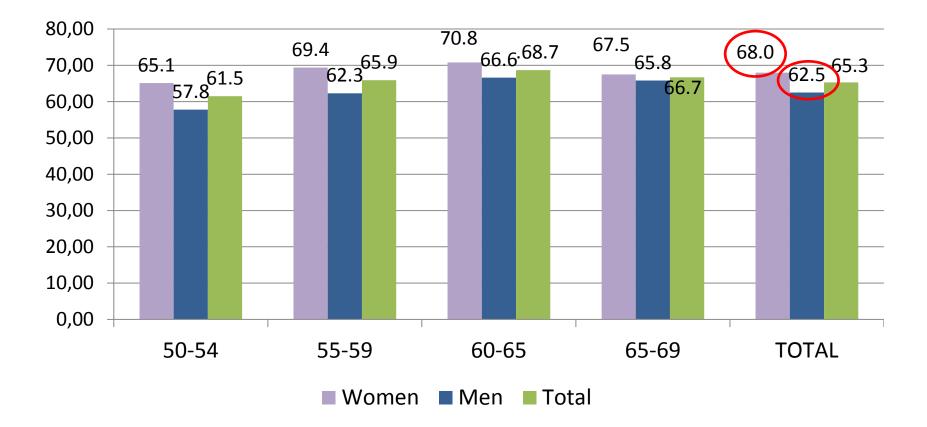
#### 2nd ROUND (1st ROUND WITH NEGATIVE FIT RESULT/NO PARTICIPANTS ON THE 1st ROUND) 03/26/2014

Year	Valid Invitations	Participants	Participation Rate	High and Intermediate Risk Adenoma detected	CCR detected
2011	21,006	14,376	68.4	244	40
2012	7,.223	54,110	68.3	832	126
TOTAL 2ND ROUND	100,229	68,486	68.3	1,076	166

#### 1st ROUND RESULTS 2009-2012 Basque Country (03/26/2014)



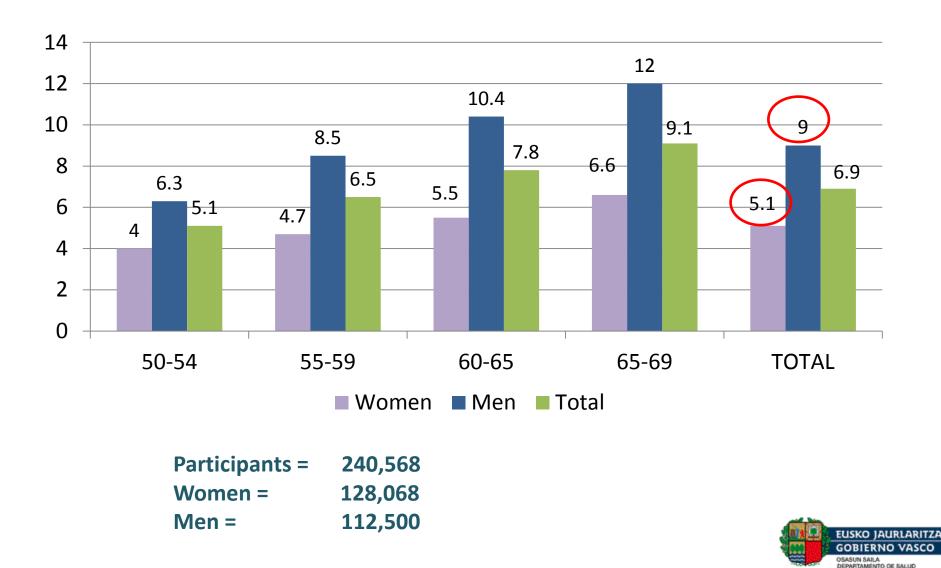
#### DIFFERENCES IN PARTICIPATION RATE BY GENDER 2009-2012 (03/26/2014) 1st Round



TOTAL = 368,446 Women = 188,372 Men = 180,074



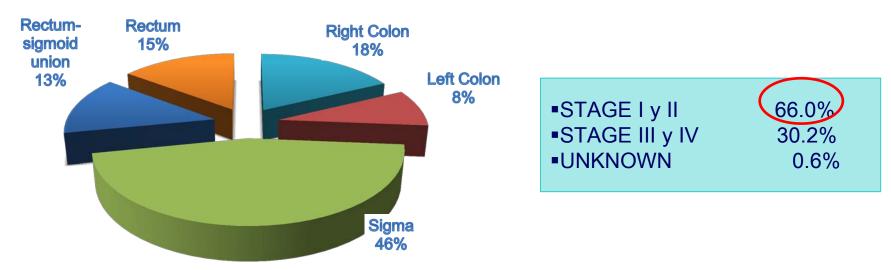
#### Positivity rate by gender 2009-2012 (03/26/2014) 1st round



#### COLORECTAL CANCER, ADENOMA DETECTION RATE AND POSITIVE PREDICTIVE VALUE FOR FIT 2009-2012. 1st ROUND BASQUE COUNTRY (03/26/2014)

1st Round 2009-2012	Women	Men	Total	DIF
Cancer detection rate / 1,000 participants	2.35	5.38	3.77	P < 0.001
Advanced Adenoma detection rate/1,000 participants	13.83	42.34	27.17	P < 0.001
Cancer detection rate by intention to screen/ 1,000 invitations	1.60	3.21	2.46	P < 0.001
Advanced Adenoma detection rate by intention to screen/ 1,000 invitations	9.40	26.46	17.74	P < 0.001
PPV low, Intermediate and High risk Adenoma	45.03	67.59	58.78	P < 0.001
PPV Intermediate and High Risk Adenoma	29.17	50.33	42.06	P < 0.001
PPV cancer	4.96	6.39	5.83	P = 0.001
				OSASUN SAILA DEPARTAMENTO DE SALUD

#### COLORECTAL CANCER 2009-2012. 1st round Basque Country (03/26/2014)

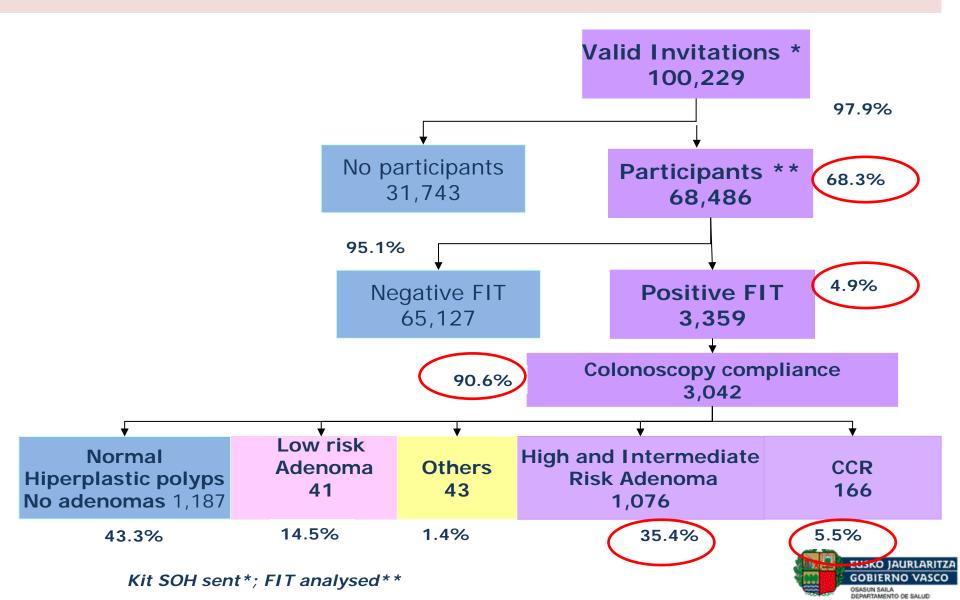


Groups	50-54	55-59	60-64	65-69	TOTAL
MEN	68	121	188	228	605
WOMEN	60	68	79	94	301
TOTAL	128	189	267	322	906

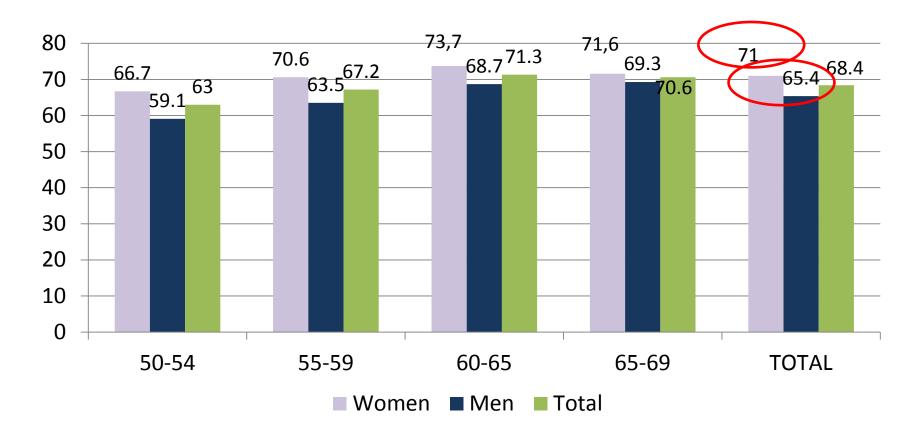
1 – Cancer(=>pT1). "Tis" included in High and Intermediate Risk Adenoma

The most frecuent cancer treatment was the surgery over 65% 28-30% of cancers were diagnosed and treated by the endoscopy removal

#### 2nd ROUND RESULTS 2011-2012. Basque Country (03/26/2014)



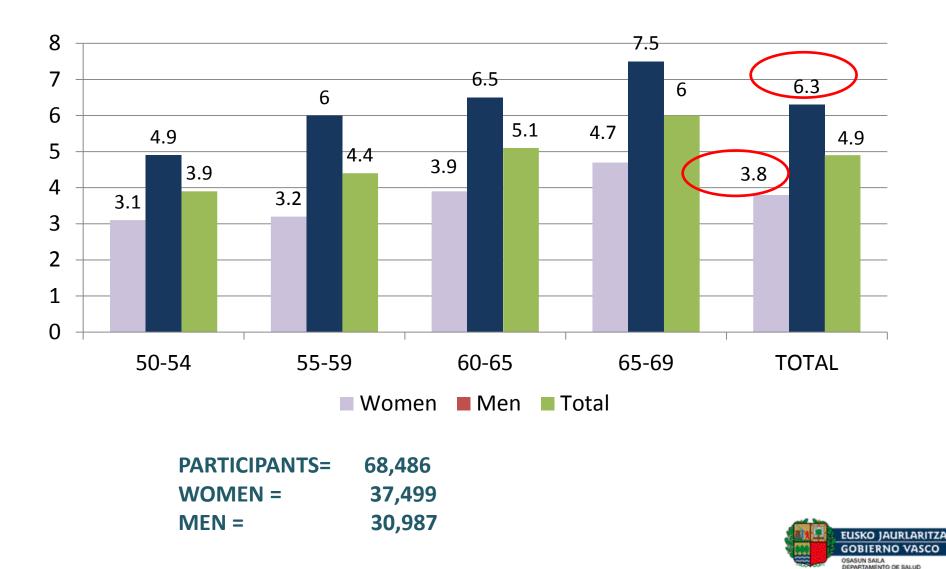
#### DIFFERENCES IN PARTICIPATION RATE BY GENDER 2011-2012 (03/26/2014) 2nd Round



TOTAL = 100,229 Women = 52,856 Men = 47,373



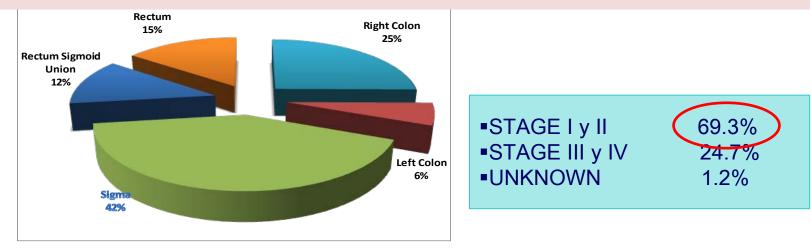
#### Positivity rate by gender 2011-2012 (03/26/2014) 2nd round



#### COLORECTAL CANCER, ADENOMA DETECTION RATE AND POSITIVE PREDICTIVE VALUE FOR FIT 2011-2012. 2nd ROUND. THE BASQUE COUNTRY (03/26/2014)

2nd ROUND 2011-2012	Women	Men 1	<b>Total</b>	DIF
Cancer detection rate / 1,000 participants	1.49	3.55	2.42	P < 0.001
Advanced Adenoma (Int+HR) detection rate/1,000 participants	8.56	24.37	15.71	P < 0.001
Cancer detection rate by intention to screen/ 1,000 invitations	1.06	2.32	1.66	P < 0.001
Advanced Adenoma detection rate by intention to screen/ 1,000 invitations	6.07	15.93	10.69	P < 0.001
PPV Low, intermediate and High Risk Adenoma	38.3	58.61	50.10	P < 0.001
PPV Intermediate and High Risk Adenoma	24.47	41.62	34.42	P < 0.001
PPV cancer	4.27	6.06	5.31	P < 0.001
				GOBIERNO VASCO OSASUN SALA DEPARTAMENTO DE SALUD





Gruops	50-54	55-59	60-64	65-69	TOTAL
MEN	12	28	37	33	110
WOMEN	7	18	13	18	56
TOTAL	19	46	50	51	166

1 – Cancer(=>pT1). "Tis" included in Intermediate and High Risk Adenoma

The most frecuent cancer tratment was the surgery over 65% 28-30% of cancers were diagnosed and treated by the endoscopy removal



# CONCLUSIONS

### **STRONG POINTS**

- COVERAGE
- PARTICIPATION RATE
- DETECTION RATE
- PRIMARY CARE
  INVOLVEMENT
- INFORMATION SYSTEM

## **TO IMPROVE**

- INEQUITIES
- INCREASING PARTICIPATION
- FALSE POSITIVE RATE
- FALSE NEGATIVE DETECTION
- QUALITY IMPLEMENTATION IN THE WHOLE PROCESS
- RESEARCH AND INNOVATION



# Kolon eta ondesteko minbizia goiz

detektatzeko programa

екатиено programa de detección precoz del Cáncer de colon y recto

Prebentzioa, tratamendurik hoberena



La prevención es el mejor tratamiento

Osakidetzak abian jarri du jada kolon eta ondesteko minbizia goiz detektatzeko programa, 50 eta 69 urte

bitarteko pertsonei zuzenduta.

Zu adin-tarte horretan bazaude, etxean informaziogutun bat eta detekzio goiztiarraren proba egiteko behar den materiala jasoko dituzu.

Proba egindakoan, entregatu zure ohiko osasunzentroan eta Osakidetzak gutun bat igorriko dizu emaitzekin.

Osakidetza ha puesto en marcha un programa de detección precoz del cáncer de colon y recto, dirigido a las personas de entre 50 y 69 años.

Si usted pertenece a ese grupo de edad, recibirá en su domicilio una carta informativa y el material necesario para la realización de la prueba de detección precoz.

Una vez realizada, entregue la prueba en su Centro de Salud habitual y desde Osakidetza le enviaremos una carta con el resultado.



Informazio gehiago nahi izanez gero, zure eskura dituzu 900 840 070 doako telefonoa, prevencionccr@osakidetza.net posta elektronikoa eta www.osanet.net web orria.

Para obtener más información, tiene a su disposición el teléfono gratuito 900 840 070 el correo electrónico prevencionccr@osakidetza.net y la página web www.osanet.net

# THANK YOU VERY MUCH

# **ESKERRIK ASKO**

