

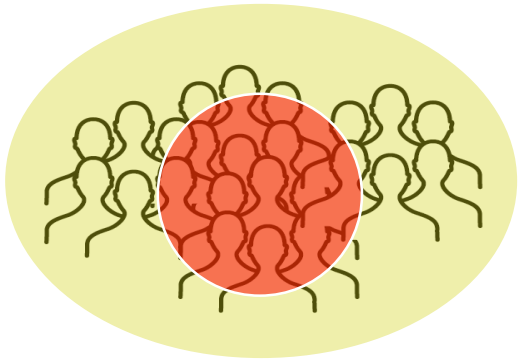


# RAID-CRC<sup>®</sup> SCREEN: A NOVEL COLORECTAL CANCER DIAGNOSTIC TOOL TO LOWER EXCESSIVE HEALTHCARE COSTS AND COLONOSCOPY BURDEN IN A SCREENING POPULATION

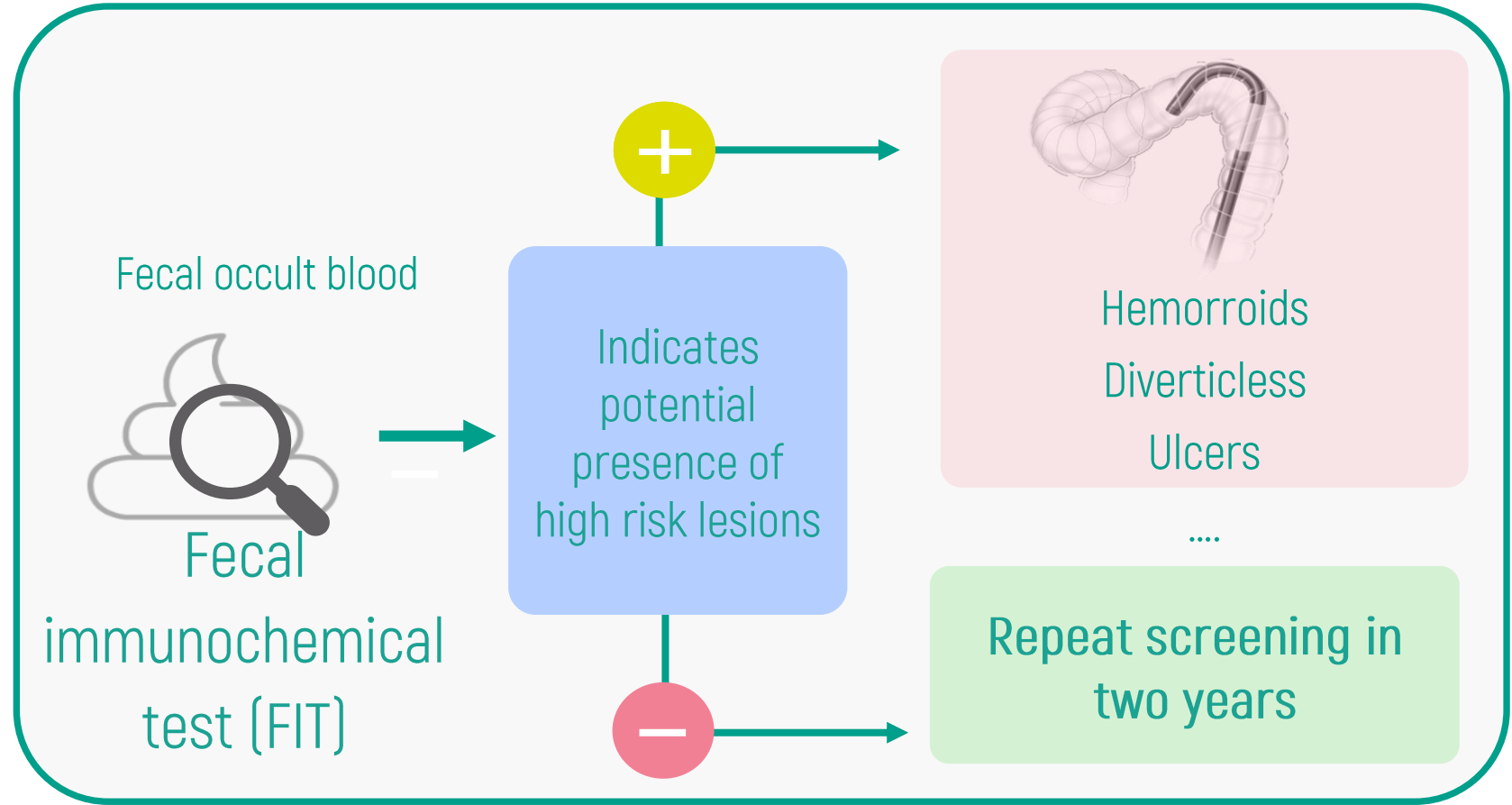
Mireia López  
16 de junio de 2022



# CONTEXT

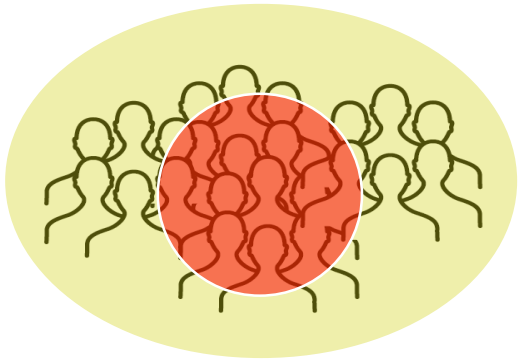


**Risk population >50**  
**Screening Programs**





# CONTEXT



**Risk population >50**

**Screening Programs**

## Unnecessary colonoscopies



Nedless worry and burden

Risk of complications



Asistential burden

Constrain of endoscopic resources



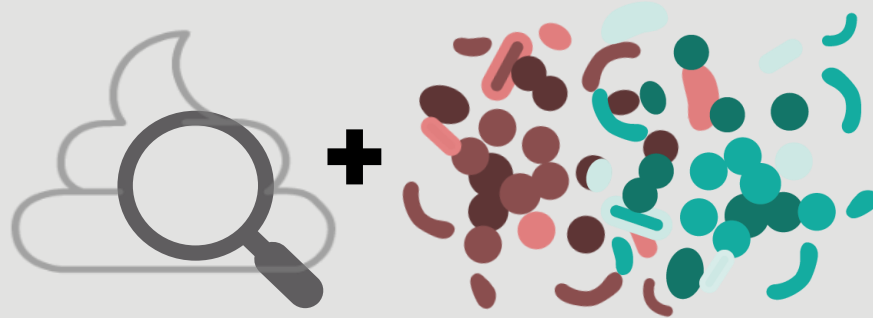
Economic burden healthcare system



# INTRODUCTION

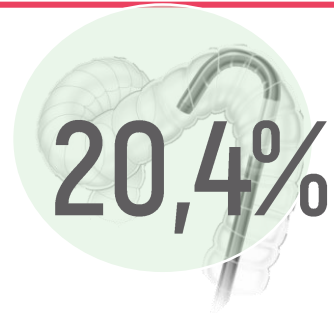


RAID-CRC<sup>®</sup> is a novel solution for **improving the diagnostic accuracy** of the fecal immunochemical test (FIT) through **increasing its specificity**



100% SENSITIVITY CRC

80,4% SENSITIVITY AN



FALSE POSITIVE  
REDUCTION



# OBJECTIVES

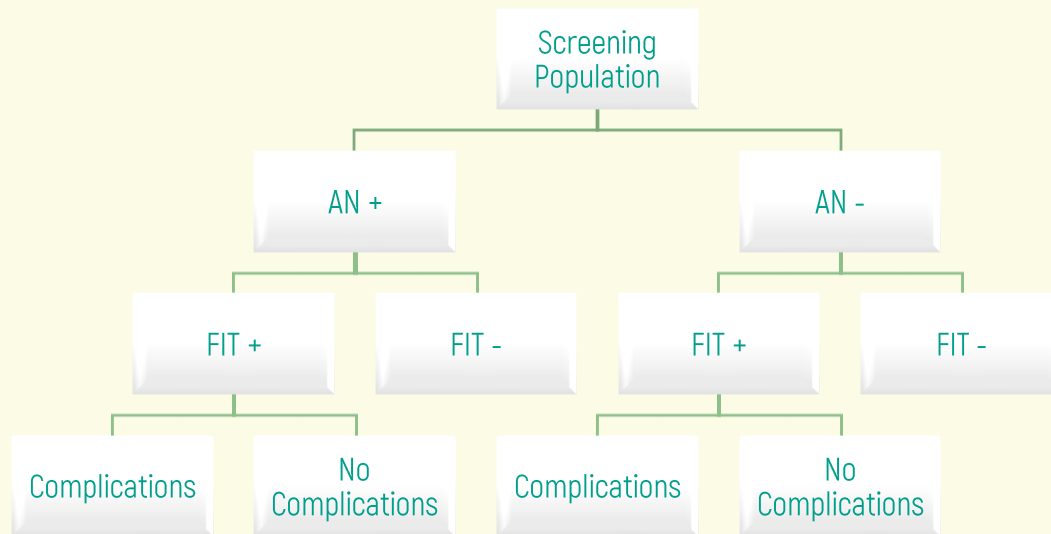


To **model the cost-savings** that the use of RAID-CRC<sup>®</sup> would imply in a Spanish CRC screening population.

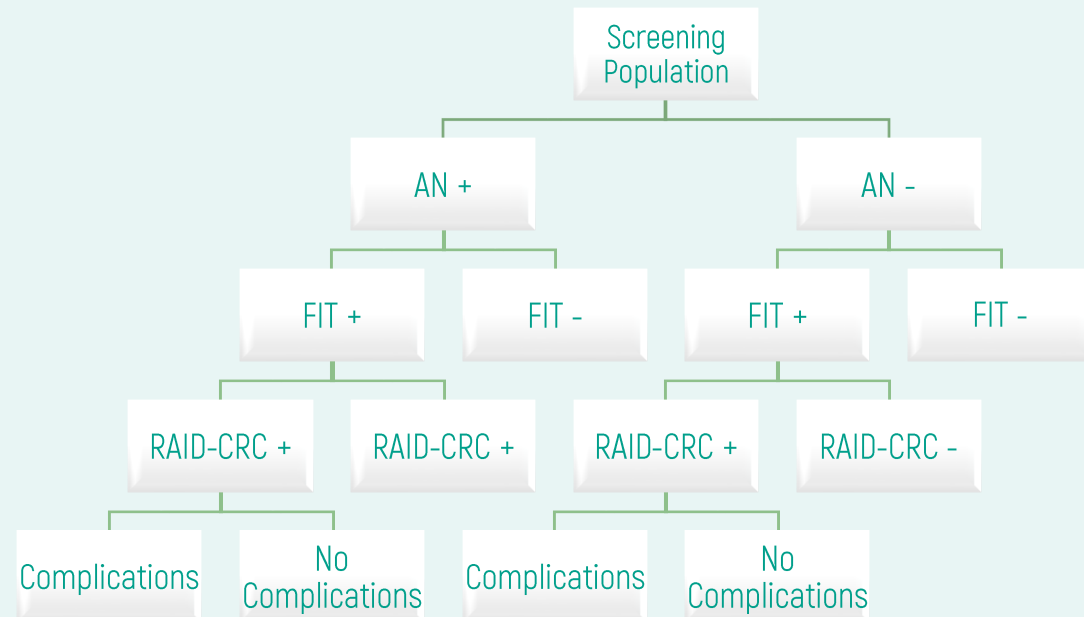


# METHODS

## Standard of Care (FIT testing)



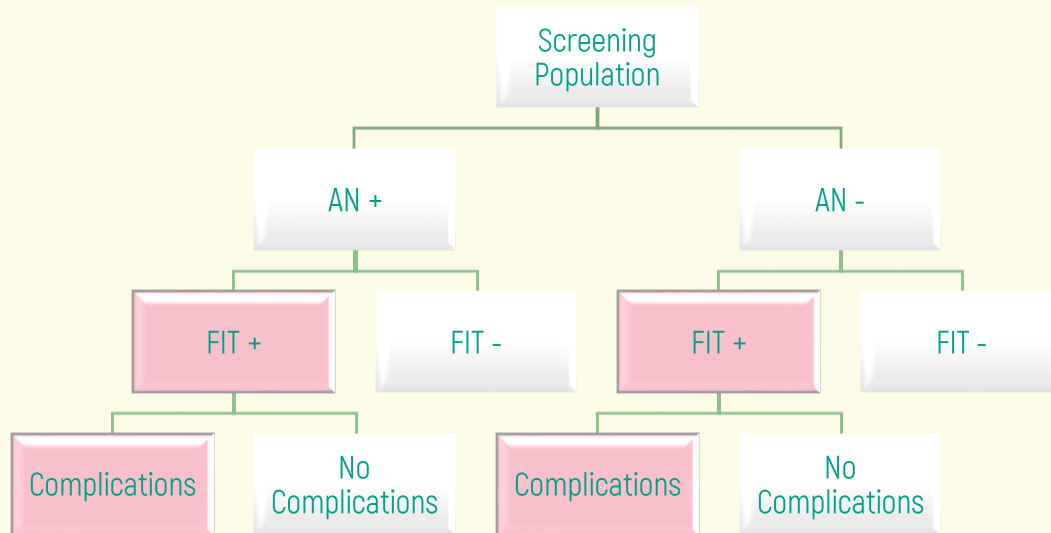
## New Intervention (FIT testing + RAID-CRC)



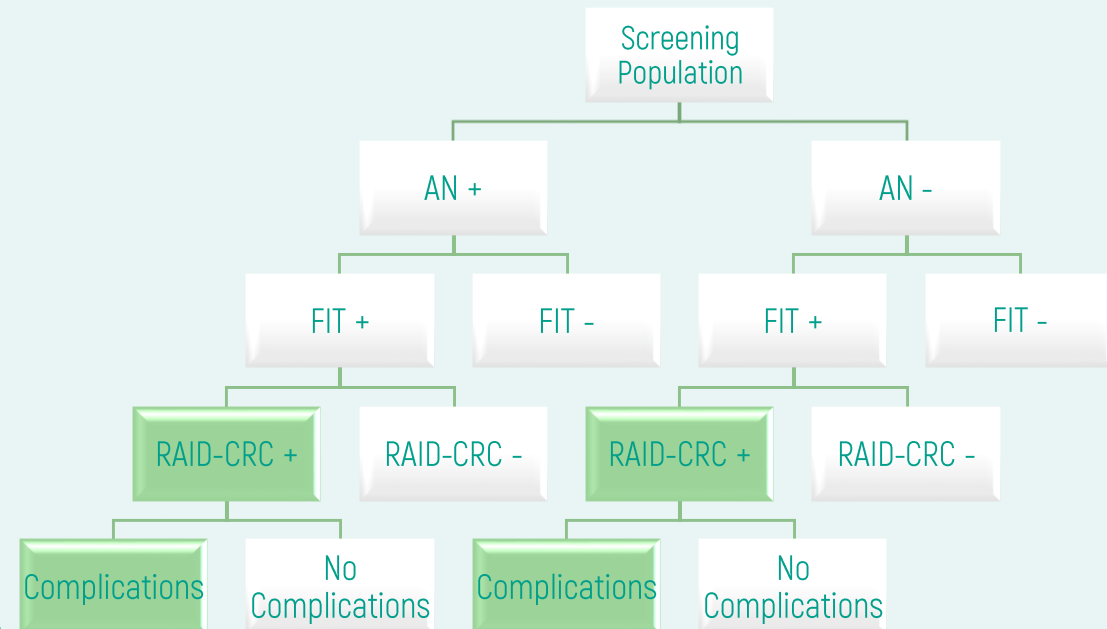


# METHODS

## Standard of Care (FIT testing)



## New Intervention (FIT testing + RAID-CRC)





# METHODS



INPUTS	Probabilities	Reference
Prevalence advanced neoplasia	8.44 %	Red de programas de Cribado de Cáncer, 2019
Sensitivity FIT	24.8 %	Clinical Validation Study (GG-RAID-CRC 1001)
Specificity FIT	97.8 %	Clinical Validation Study (GG-RAID-CRC 1001)
Risk of Complications	0.0031 %	Red de programas de Cribado de Cáncer, 2019
Sensitivity RAID-CRC	20.4 %	Clinical Validation Study (GG-RAID-CRC 1001)
Specificity RAID-CRC	80.4 %	Clinical Validation Study (GG-RAID-CRC 1001)



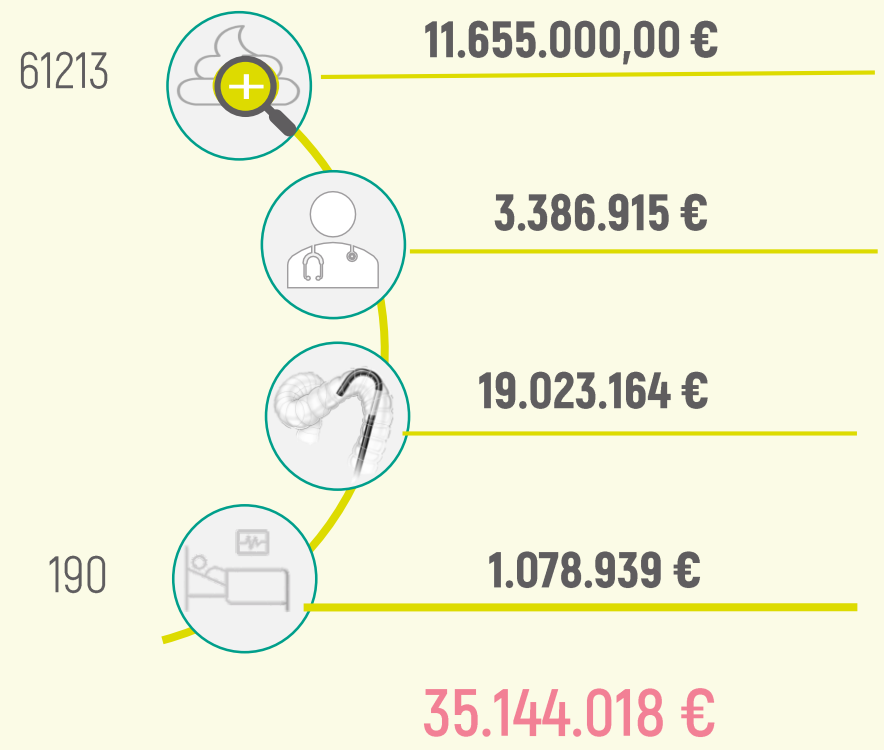
INPUTS	Cost	Reference
Invitation + FIT Testing	7,77 €	Arrospide et al 2018
Primary Care Visit	55,3 €	Average of publicly listed prices of various CCAAs (eSalud 2022)
Colonoscopy	310 €	Average of publicly listed prices of various CCAAs (eSalud 2022)
Risk of Complications	5.686 €	Arrospide et al 2018
RAID-CRC Testing	15 €	GoodGut



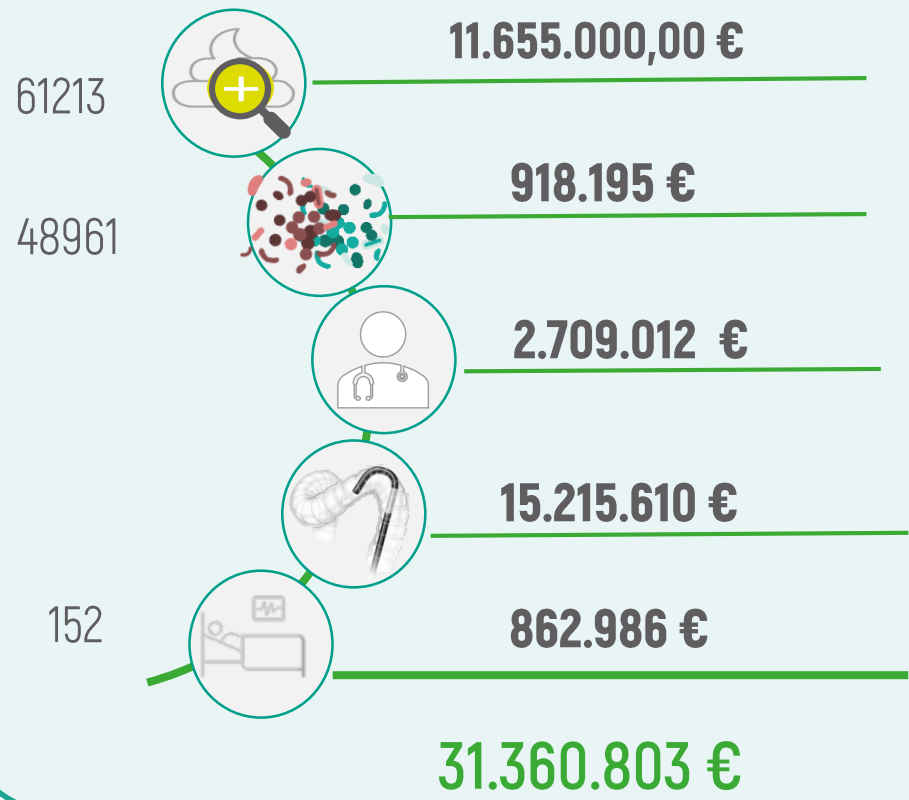


# RESULTS

## Standard of Care (FIT testing)



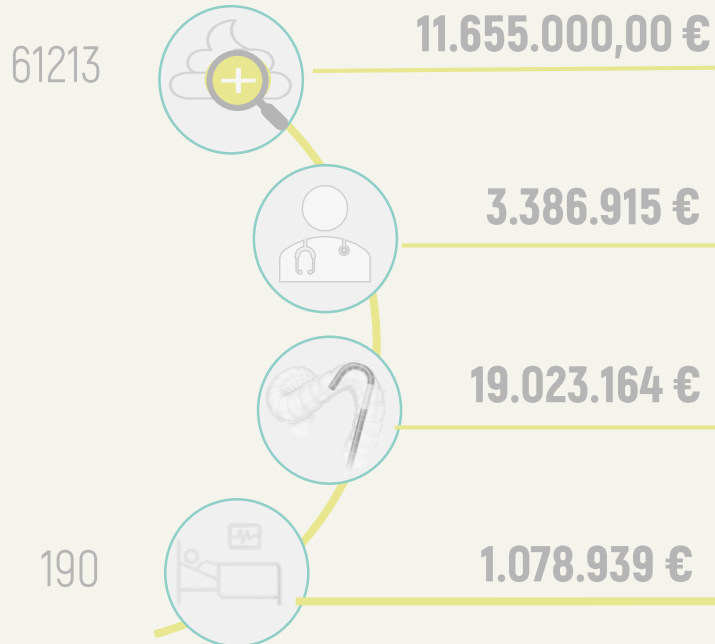
## New Intervention (FIT testing + RAID-CRC)





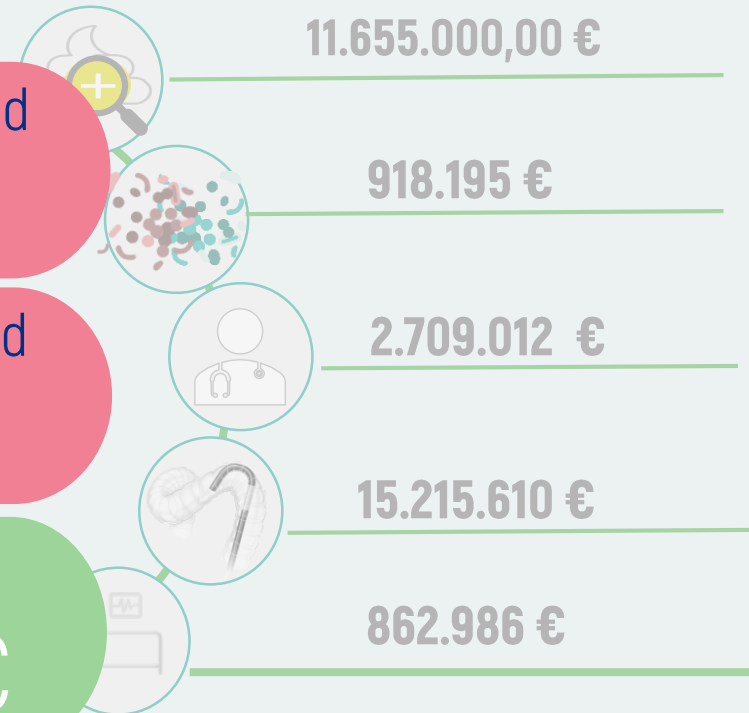
# RESULTS

## Standard of Care (FIT testing)



35.144.018 €

## New Intervention (FIT testing + RAID-CRC)



31.360.803 €

Colonoscopies saved

12.252

Complications saved

38

Budget Impact

3.783.216 €



# CONCLUSIONS

- RAID-CRC as a second line screening strategy can **improve the efficiency of CRC screening**, through increasing the specificity of the FIT
- Adding RAID-CRC within the clinical pathway is **less costly** than the standard of care using FIT alone, given the decrease in confirmatory colonoscopies and their associated costs and complications.
- **The new strategy would produce net savings** since the additional cost of RAID-CRC is offset by the cost savings produced.



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*HIPRA; Fundació HiTT*

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