



Uptake, quantitative values and PPV of FIT by socioeconomic level in Barcelona


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Outline

- Barcelona Bowel cancer screening Programme
- Methods: Socioeconomic level index
- Preliminary results
- Discussion




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- ✓ Started end of 2009, now 3rd R
- ✓ Target population ~ 200,000 men and women age 50-69. Now extension to the rest of the city of Barcelona (~ 400,000)
- ✓ Invited every 2 years
- ✓ 2 Hospitals (Mar & Clinic)
- ✓ FIT (OC-Sensor) → Colonoscopy
- ✓ **Pharmacies** : delivery and collection of the FIT test

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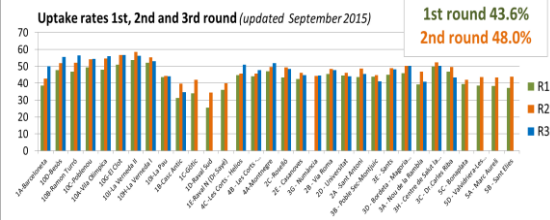


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Uptake rates 1st, 2nd and 3rd round (updated September 2015)

1st round 43.6%
 2nd round 48.0%



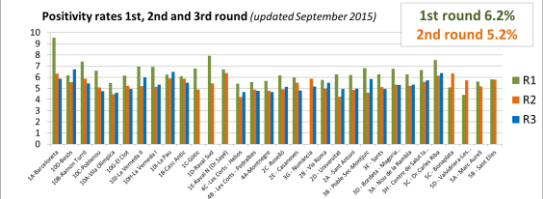
✓ Higher in women and 60+ years

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Positivity rates 1st, 2nd and 3rd round (updated September 2015)

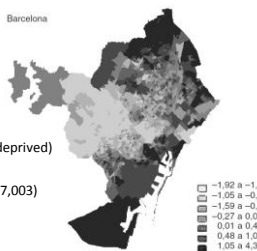
1st round 6.2%
 2nd round 5.2%




✓ Higher in men and increasing age

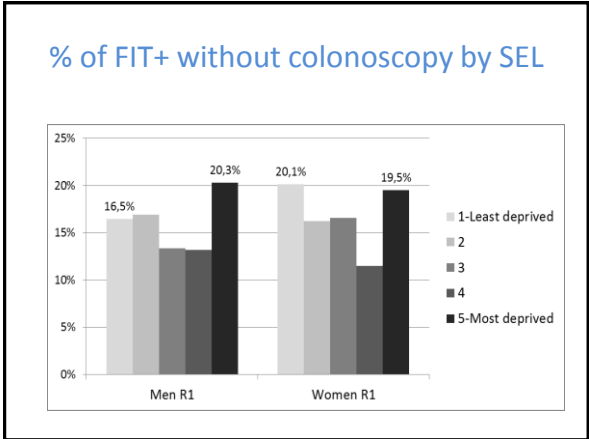
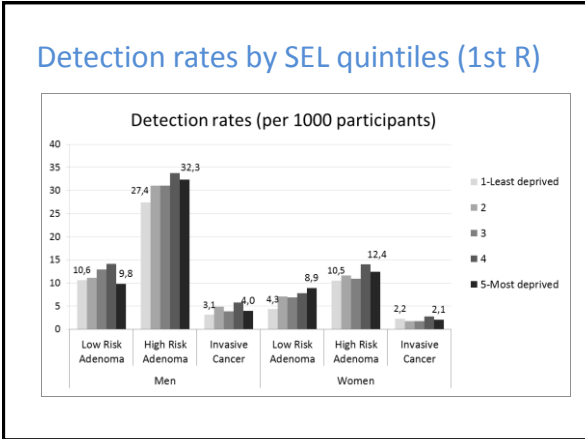
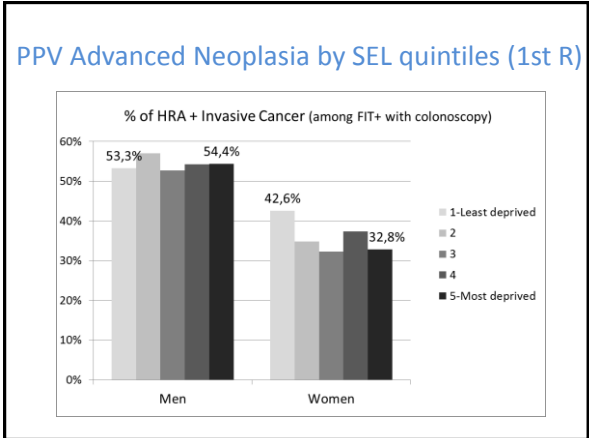
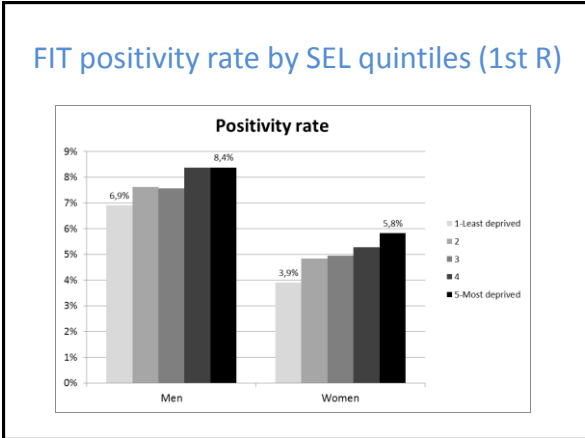
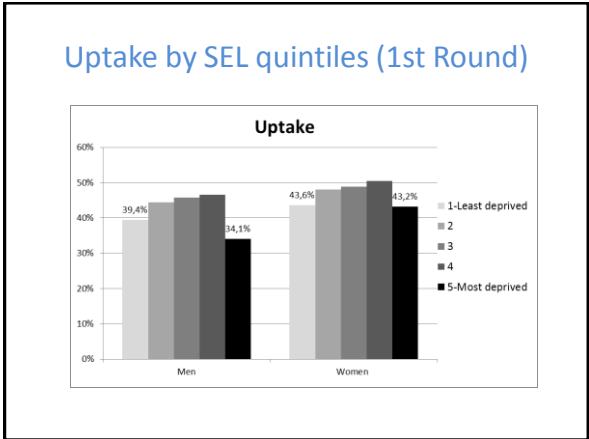
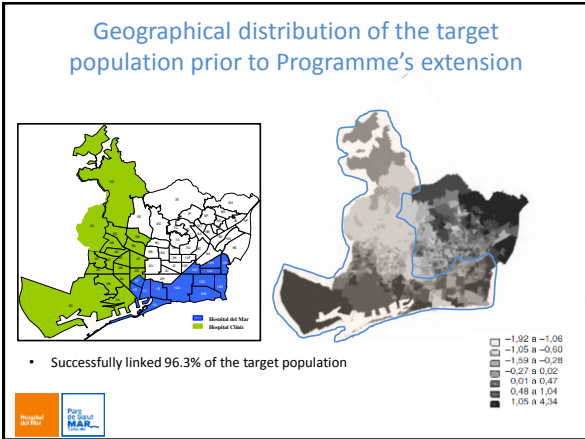
Socioeconomic level: MEDEA index

- Deprivation index by census tract in cities
- Includes 5 socioeconomic indicators (Census 2001)
 - Related to work:
 1. Unemployment (%)
 2. Manual workers (%)
 3. Eventual workers (%)
 - Related to education:
 4. Insufficient education overall (%)
 5. Insufficient education in young people (%)
- Range: -1.92 (least deprived) to 4.34 (most deprived)
- Barcelona: 1,491 census tracts (total pop 91-7,003)



Domínguez-Berjón MF, Borrell C, Cano-Serral G, Esnaola S, Nolasco A, Pasarín MI, Ramis R, Saurina C, Escobar-Pujolar A. Constructing a deprivation index based on census data in large Spanish cities (the MEDEA project). *Gac Sanit*. 2008 May-Jun;22(3):179-87. Spanish. PubMed PMID: 18579042.





Discussion

- Uptake, FIT positivity and detection rates related to SEL:
 - Uptake increases with deprivation, BUT most-deprived lowest rate
 - Positivity rates increase with deprivation level
 - Detection rates seem to increase with deprivation
- No clear pattern for PPV
- Colonoscopy Non-compliance higher in most-deprived (and least deprived)
- Round 2 similar results
- Similar patterns to other regions



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