



The Dutch colorectal cancer screening programme: first and second round

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Possible conflicts of interest

- No conflicts of interest



What to expect

- Results of Dutch CRC screening programme 2016
- Stage distribution of screen-detected CRCs 2015
- Site distribution of screen-detected CRCs 2015



Dutch CRC screening programme

- Dutch programme implemented in 2014
- Men and woman
- Age 55 to 75 years
- Biennial
- Fecal immunochemical test (FIT)



Results of 2016

- **1.5 million** persons invited
- **1.0 million** participants
- **57.000** positive test results
- **47.000** persons underwent colonoscopy:
 - **3.700** colorectal cancers
 - **20.000** advanced adenomas



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17 million ←



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Persons invited for the first or second screening round!



Participation rate 2016

First round	Second round
71.8%	75.9%



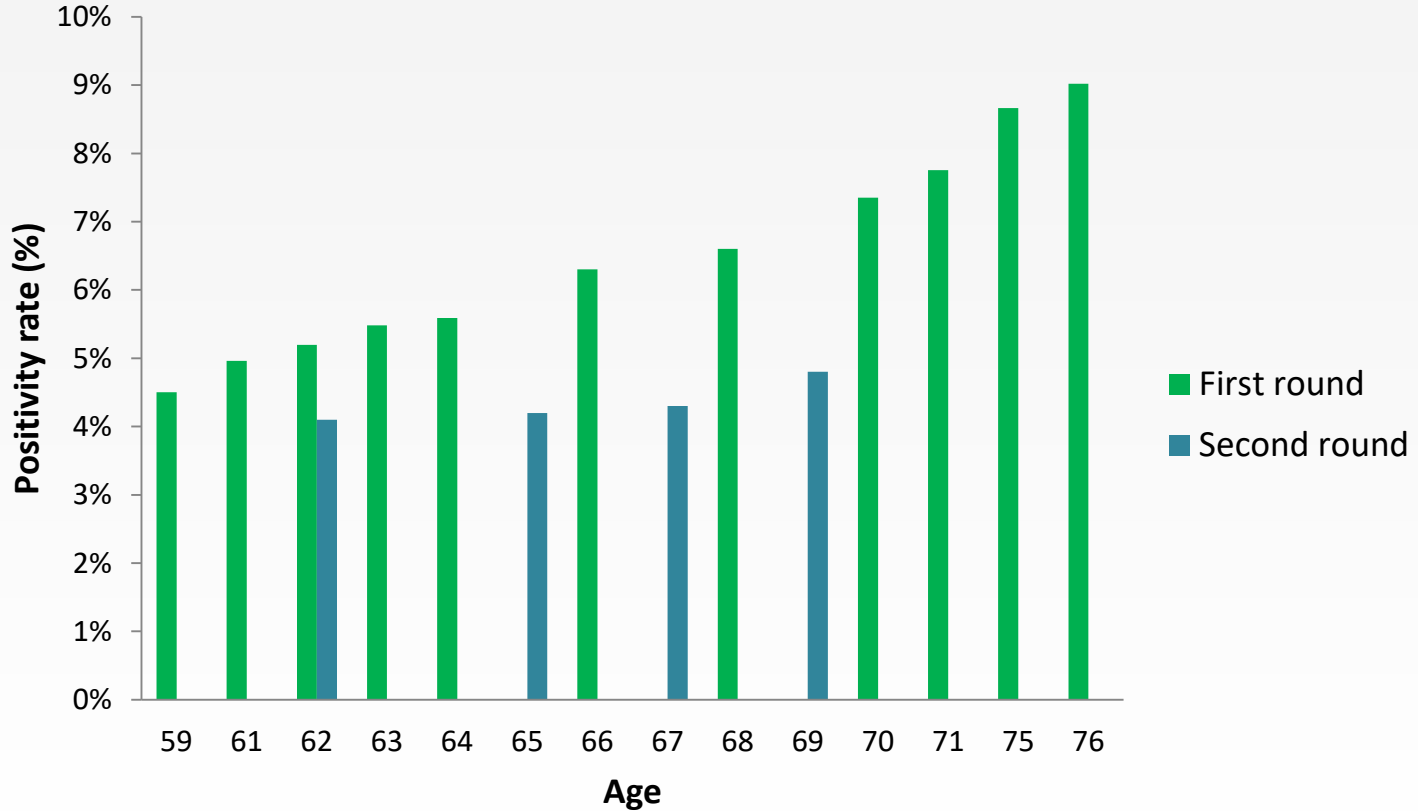
Positivity rate 2016

First round	Second round
6.1%	4.5%

Cut-off level 47 $\mu\text{g Hb/g}$

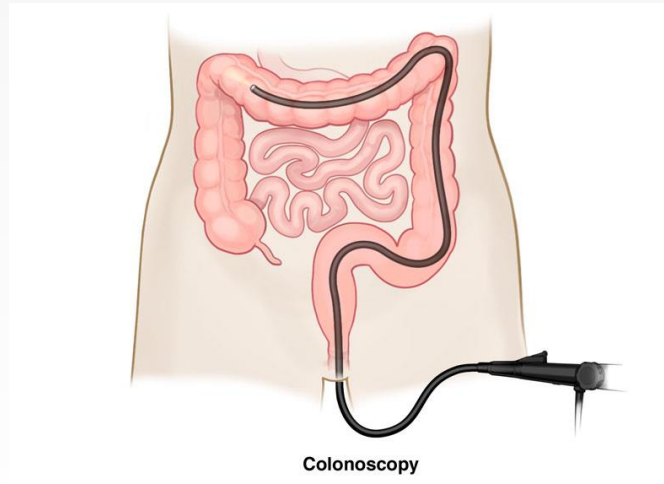


Positivity rate 2016



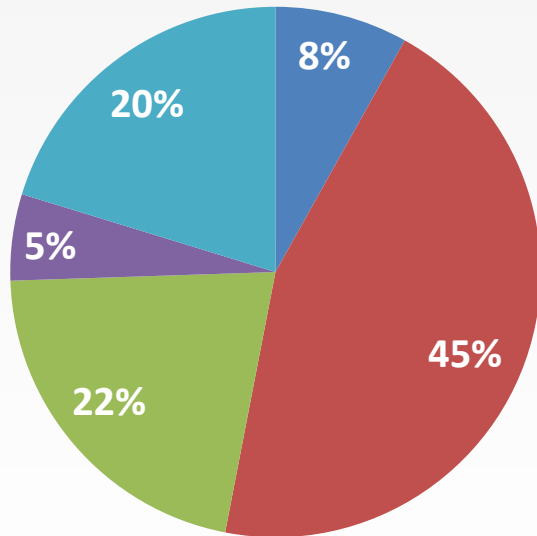
Participation rate colonoscopy 2016

First round	Second round
83.0%	82.1%

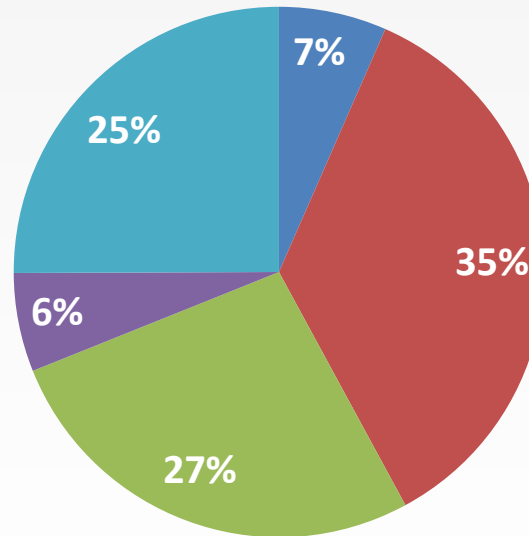


Yield of colonoscopy

First round



Second round



- Colorectal cancer
- Advanced adenoma
- Non-advanced adenoma
- Serrated polyps
- No polyps or tumours



Positive predictive value

	First round	Second round
CRC	8.3%	6.6%
CRC + AA	53.7%	42.1%



Detection rate

	First round	Second round
CRC	4.1‰	22.3‰
CRC + AA	2.4‰	13.0‰



Processing times primary process

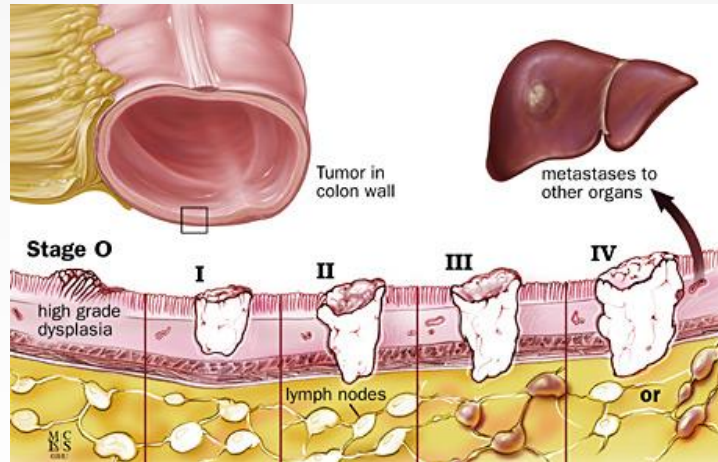
- Waiting time FIT result: 3.4 weekdays
- Waiting time intake: 13.2 workdays
- Waiting time colonoscopy: 10.3 workdays

5 weeks between participation and colonoscopy

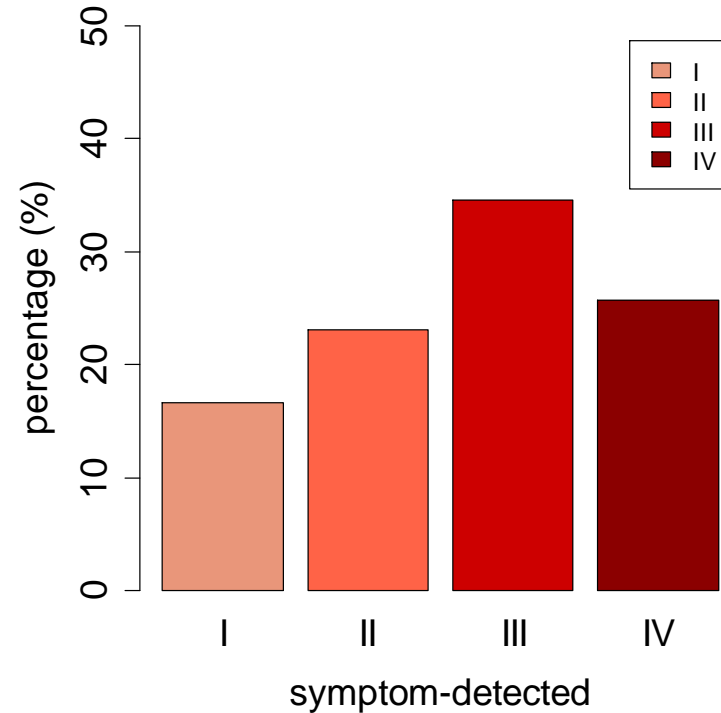
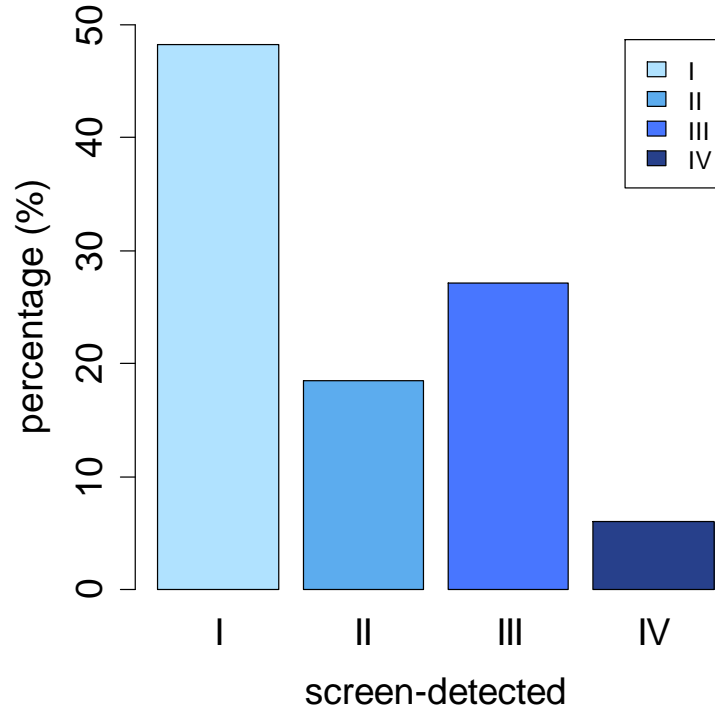


Stage distribution of colorectal cancer

- Screen- and symptom-detected CRCs in **2015**

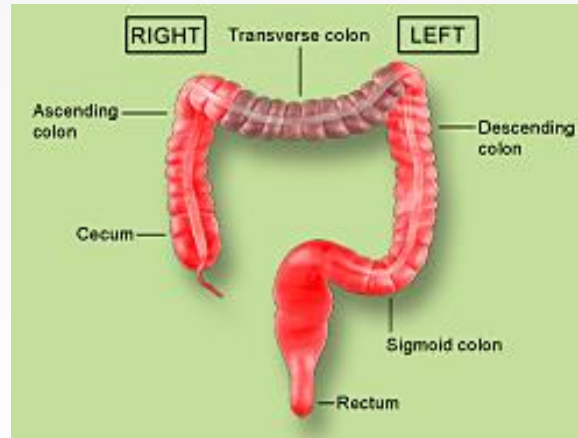


Stage distribution of colorectal cancer

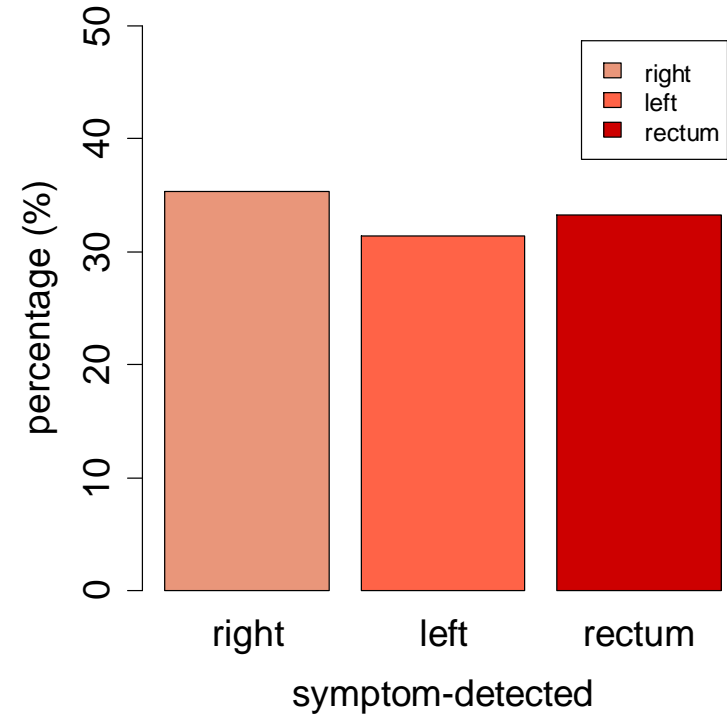
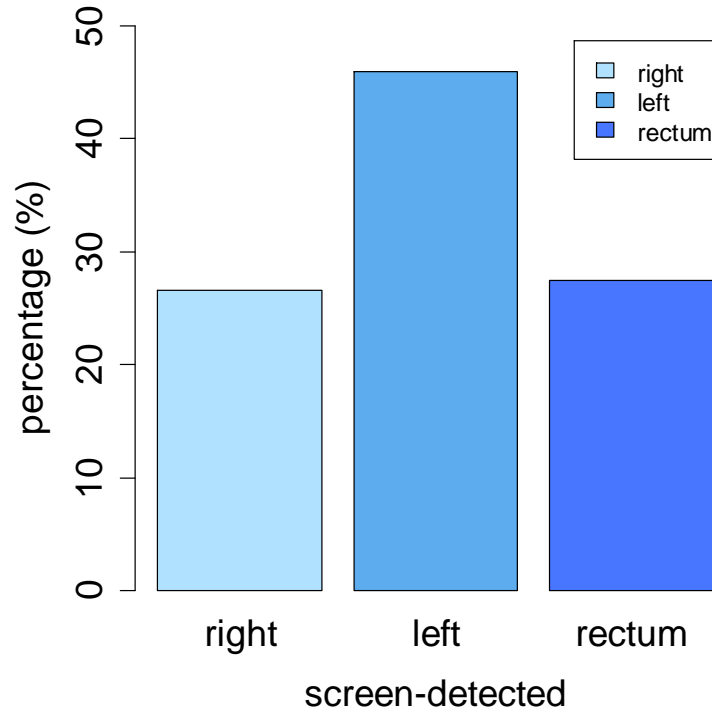


Site distribution of colorectal cancer

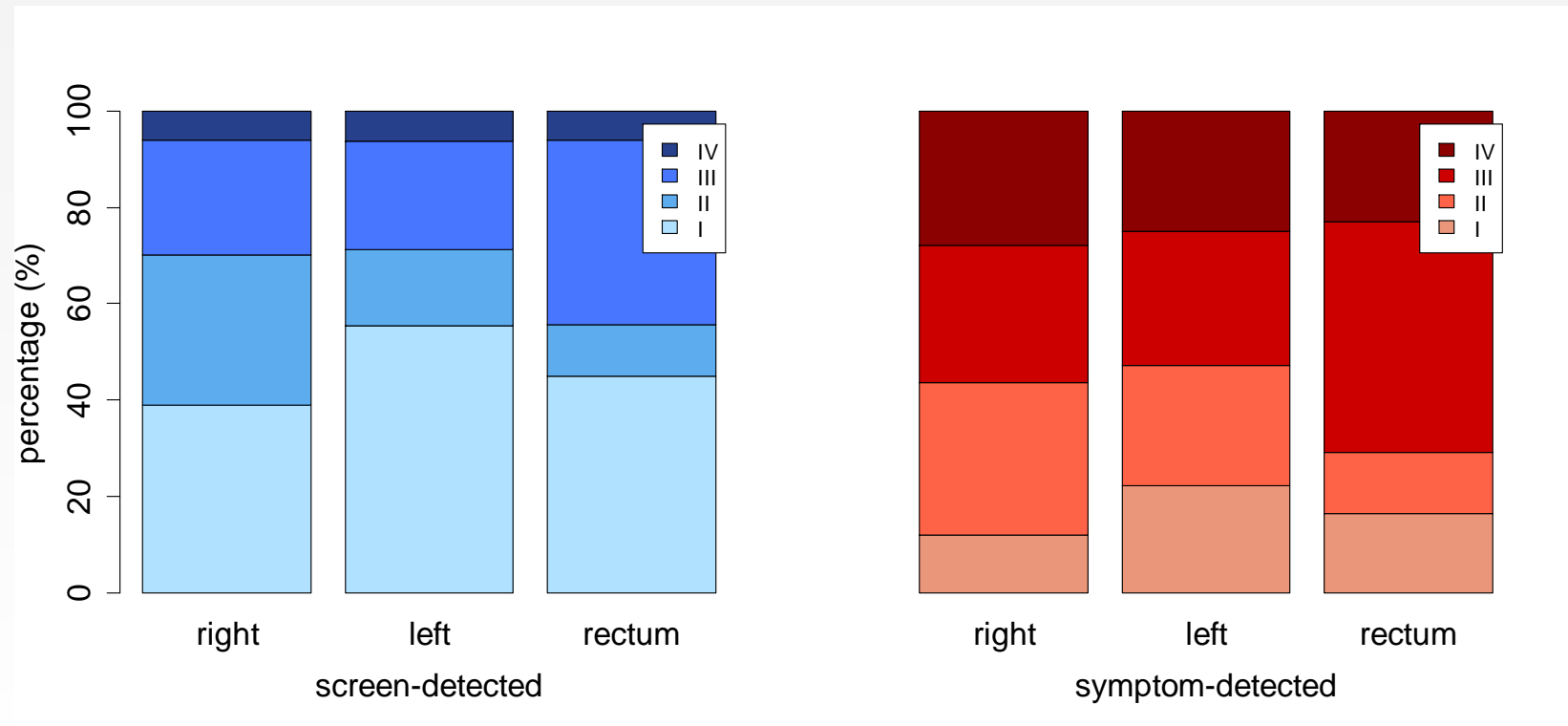
- Screen- and symptom-detected CRCs in **2015**



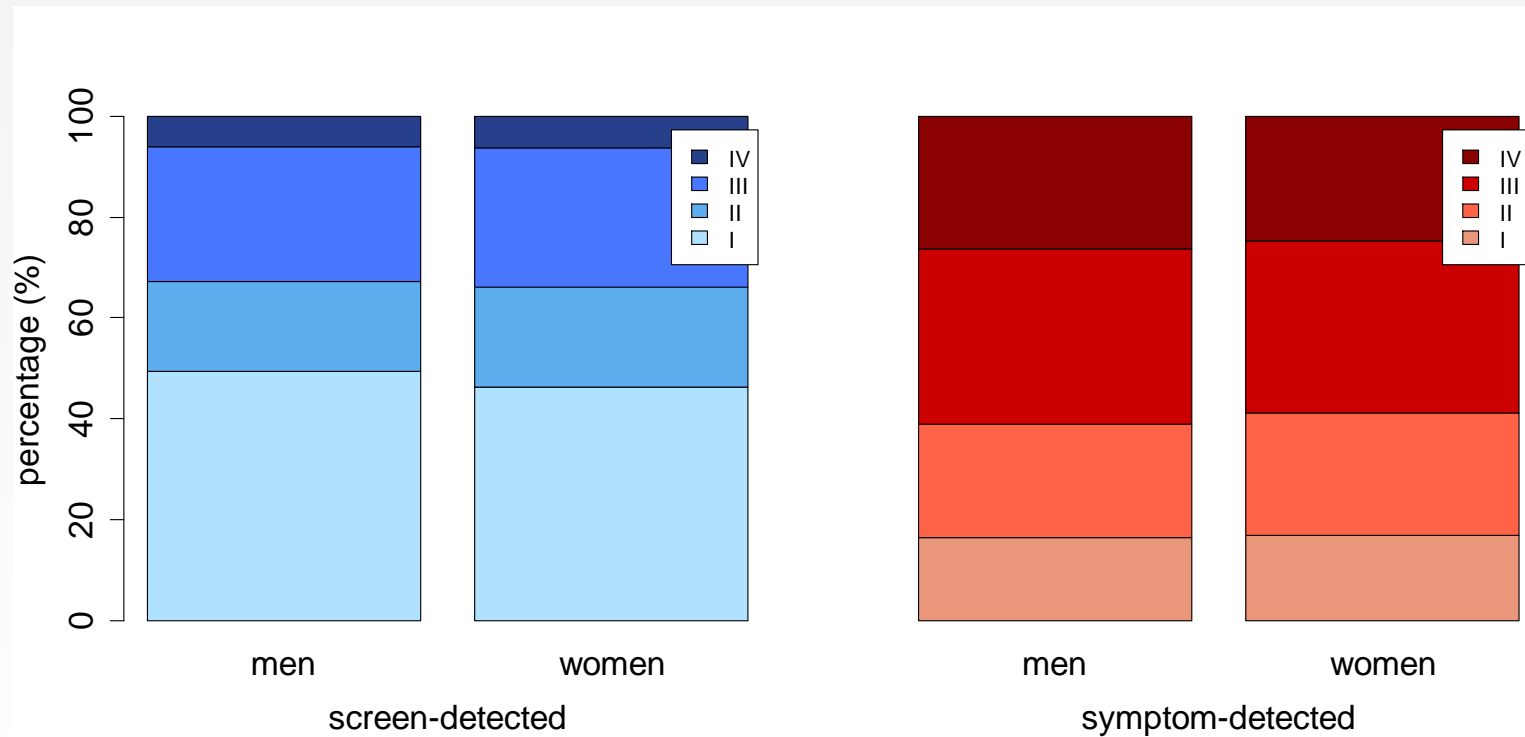
Site distribution of colorectal cancer



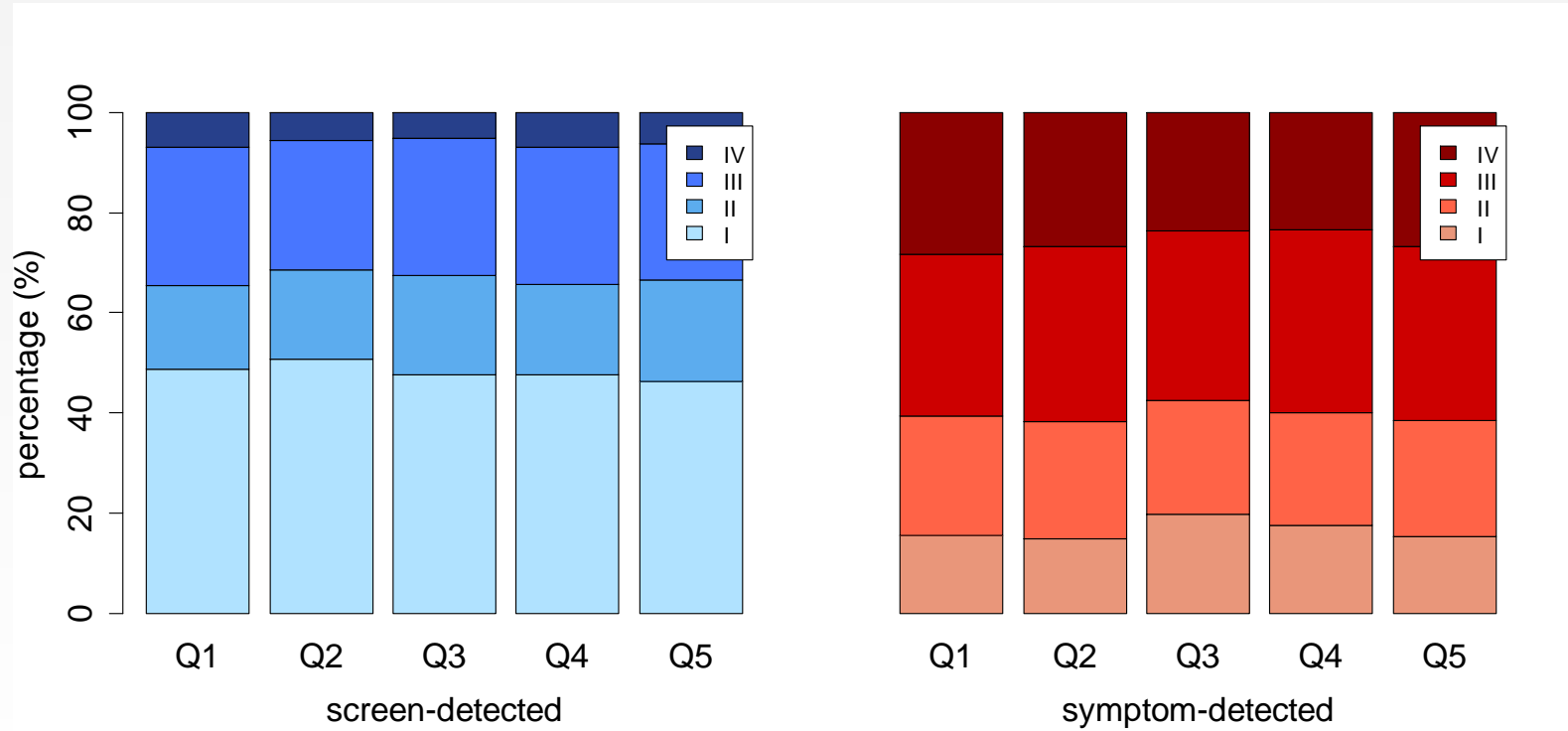
Stage distribution by location



Stage distribution by gender



Stage distribution by social economic status



Summary

- **Dutch** screening programme is **proceeding well**
- **Both** screening rounds have **high** participation rate
- High number of **advanced adenomas** and **cancers** have been detected in **both rounds**
- Highlight the importance of **repeated screening**
- Screen-detected cancers have a more **favourable stage distribution**



Future

- In **2019** roll-out will be complete
- **Interval cancers** expected in 2018
- **Optimizing** the programme



Acknowledgement

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Thank you for your attention

