



Wild Spectrum of Immunochemical Tests in Czech Colorectal Cancer Screening

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European Colorectal Cancer Days, Brno

Start of FIT

“how to increase unsatisfactory screening participation”

- 2009
- Sensitivity and Specificity
- Adherence of population
- Motivation of GPs

FIT in the Czech Republic

- National differences in
 - Type of FIT
 - Cut off
 - Price
 - Payment

Cassette Format Strip Format Specimen collector



FIT (2011)

- Increase in participation
 - 25% (30% in age group 60-69)
- Increase in the positivity rate
 - from 3-4% to 6-8%

Great Unknown in FIT

- Survey among GPs
- Aims:
 - Proportional representation of FIT
 - Cut off

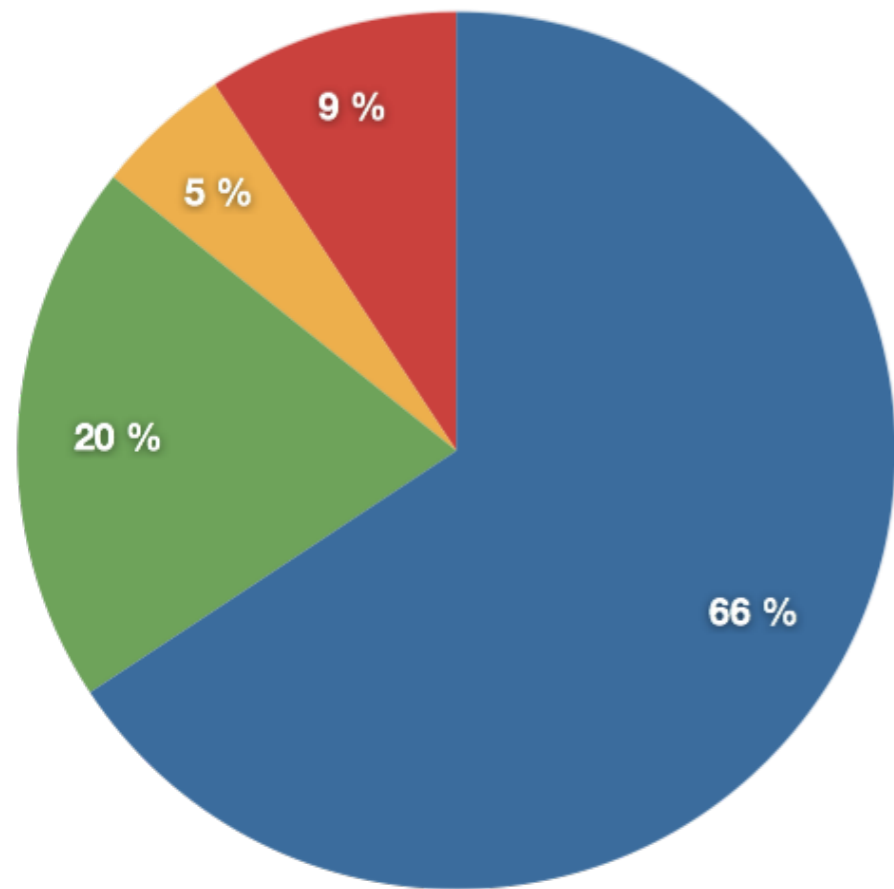
Methods

- February 2014
- Data collection
 - Telephone survey
 - CME sessions
 - via email

Results

- R 522
- TS - 140 GPS (100% RR)
- CME S. - 175 (54%)
- Emails - 207 (66%)

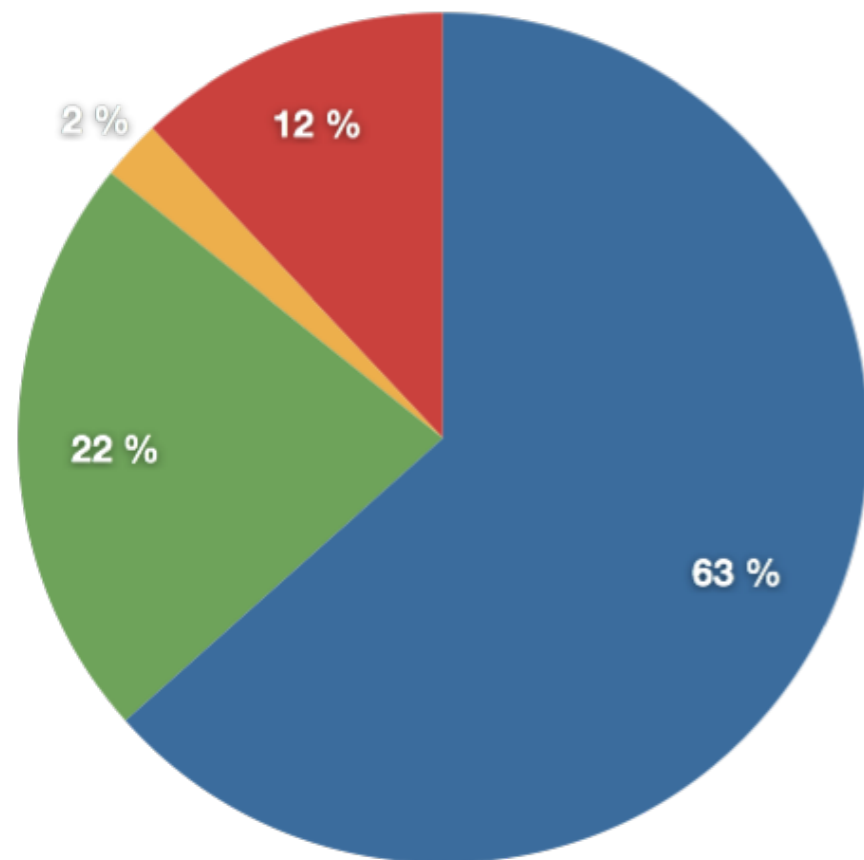
Results - Telephone Survey



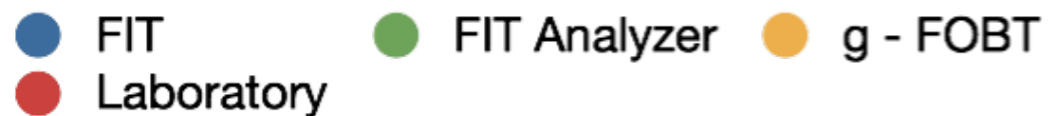
Methods	Number of GPs	% of GPs
FIT	92	66 %
FIT Analyzer	28	20 %
g - FOBT	7	5 %
Laboratory	13	9 %

● FIT ● FIT Analyzer ● g - FOBT
● Laboratory

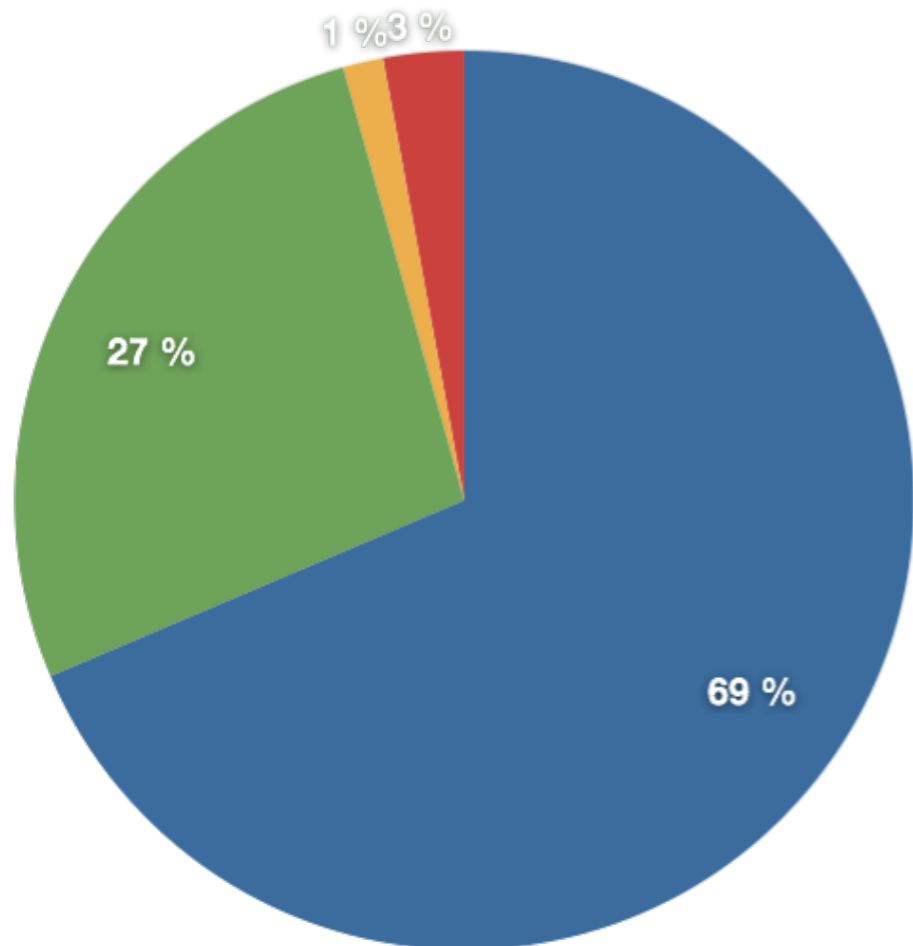
Results - CME Session



Methods	Number of GPs	% of GPs
FIT	111	63,5 %
FIT Analyzer	39	22 %
g - FOBT	4	2,5 %
Laboratory	21	12 %

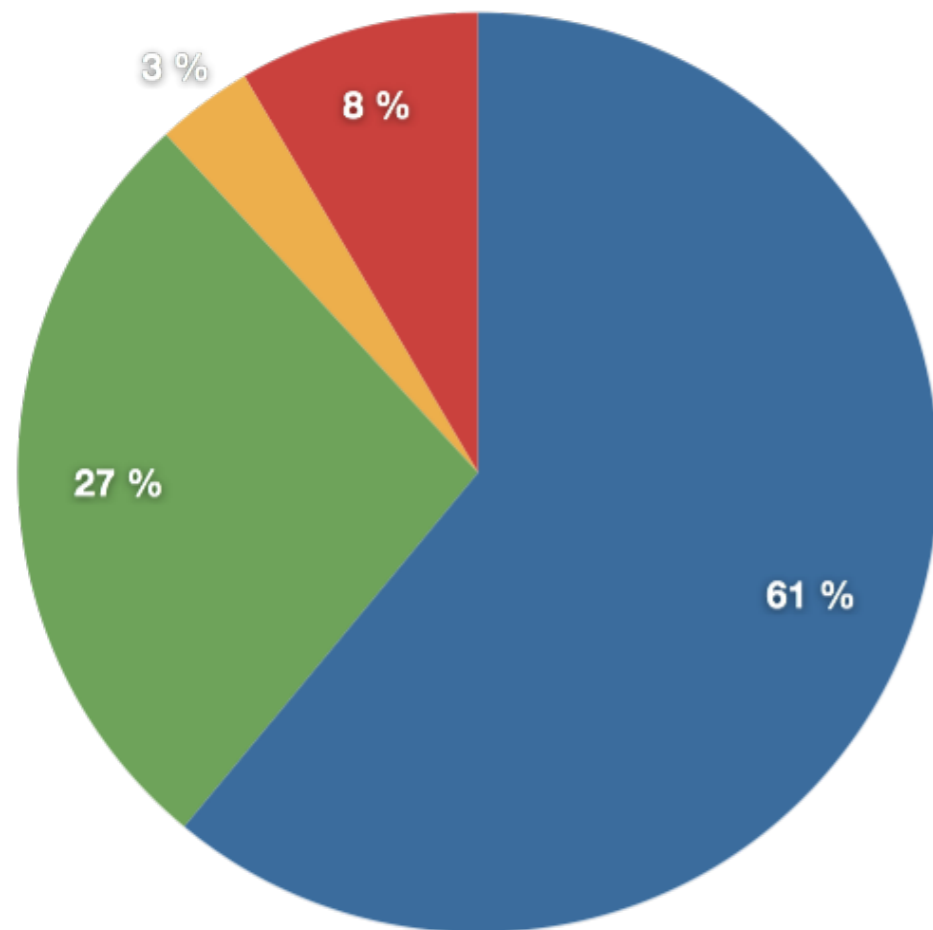


Result - Email



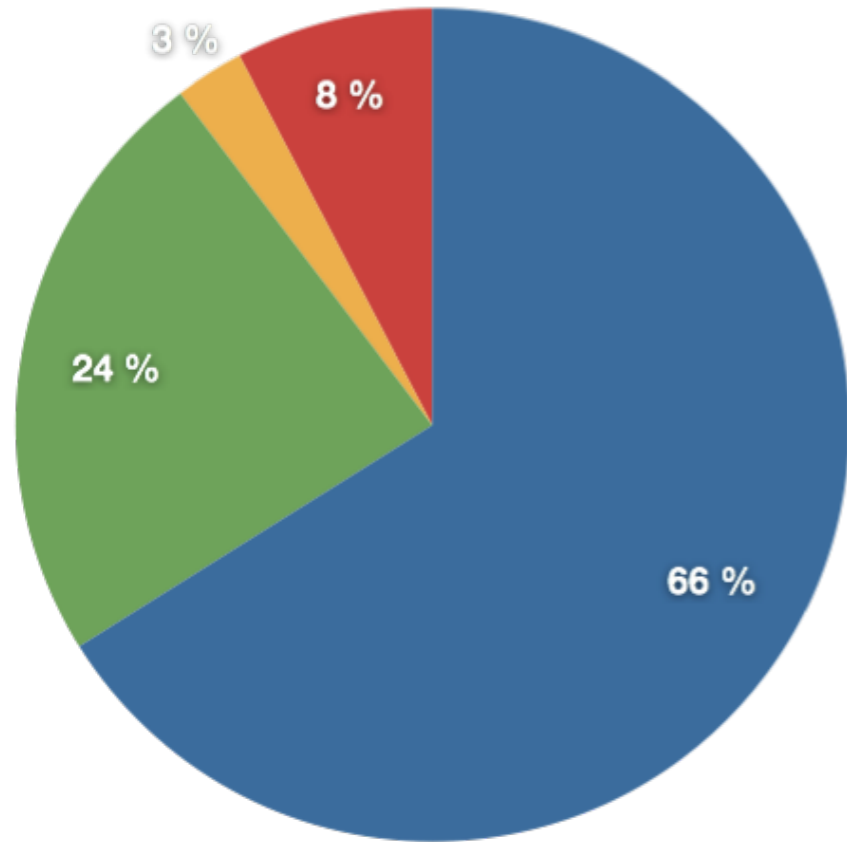
Methods	Number of GPs	% of GPs
FIT	142	68,6 %
FIT Analyzer	56	27 %
g - FOBT	3	1,5 %
Laboratory	6	3 %

Results - Prague



Methods	Number of GPs	% of GPs
FIT	36	61 %
FIT Analyzer	17	27 %
g - FOBT	2	3 %
Laboratory	5	9 %

Overall Results



Methods	Number of GPs	% of GPs
FIT	345	66 %
FIT Analyzer	123	24 %
g - FOBT	14	3 %
Laboratory	40	8 %

● FIT ● FIT Analyzer ● g - FOBT
● Laboratory

Differences within testing methods:

Type of test, Cut off, Price

FIT	Company	Test	CUT OFF	Price
1.	IVT Imuno s.r.o.	FOB test	10 ng/ml	4 Euro /1 test
2.	Elisabeth Pharmacon	Eli Pack	125ng/ml	1 Euro/1 test
3.	Care Diagnostica	Immocare	???	1,5 Euro /1 test
4.	Medisco	Dima Medical	40ng/ml	1 Euro /1 test
5.	Biogema	Humalab	0,2ug/ml	1 Euro /1 test
6.	Exbio	One step FOBT	50ng/ml	2-4 Euro/1 test
7.		Self Sure Test	1ug/g	3-4 Euro/1 test
8.	IVD Biotech	FOB test	200ng/ml	2 Euro/1 test
FIT Analyzers	Company	Test	CUT OFF	Price
1.	QiukRead	no relevant	no relevant	3 Euro /1 test
2.	QuickSeal	no relevant	no relevant	5-6 Euro/1 test
3.	Sentinel Diagnostic	no relevant	no relevant	?

Conclusion

- 10 GPs - 10 Tests - 10 different Cut off
- FIT x FIT analyzers
- Laboratory analyses
- gFOBT

Conclusion

- Increased participation
- Higher false positivity
- Cut off
- “It is up to you”- no restrictions

Question at the end?

Is it possible to answer, what the specificity and sensitivity of FIT in the Czech Republic is?

Thank you for your attention

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