

Report Supplementary Material 4

Table 1. Uptake, test positivity, and diagnostic yield of the FIT overall and at rounds 1, 2, and 3, by sex

Sex	Findings	Round									Cumulative (across all rounds)			End-of-study colonic examination			Entire study findings		
		1			2			3											
		<i>n</i>	% of round	% of entire study findings	<i>n</i>	% of round	% of entire study findings	<i>n</i>	% of round	% of entire study findings	<i>n</i>	% of all rounds	% of entire study findings	<i>n</i>	% of end-of-study colonic exam	% of entire study findings	<i>n</i>	% of entire study findings	
Men	Invited	5227			3577			3374			5227								
	Completed FIT ^a	3898	74.6		3481	97.3		3284	97.3		3898	74.6							
	Tested positive	258 ^b	6.6 ^c		171	4.9 ^c		149	4.5 ^c		578 ^d	14.8 ^c							
	Invited for colonic examination	-	-		-	-		-	-		-	-		-	-		-	-	
	Colonic examination performed	248	96.1 ^e	7.2 ^f	161	94.2 ^e	4.7 ^f	140	94.0 ^e	4.1 ^f	549	95.0 ^e	15.9 ^f	2905	-	84.1 ^f	3454		
	Colonoscopy	243	98.0 ^g	7.2 ^f	157	97.5 ^g	4.6 ^f	135	96.4 ^g	4.0 ^f	535	97.4 ^g	15.7 ^f	2862	98.5 ^g	84.3 ^f	3397	98.3 ^g	
	CTC (no colonoscopy)	4	1.6 ^g	7.1 ^f	4	2.5 ^g	7.1 ^f	5	3.6 ^g	8.9 ^f	13	2.4 ^g	23.2 ^f	43	1.5 ^g	76.8 ^f	56	1.6 ^g	
	FS (no colonoscopy or CTC)	1	0.4 ^g	100 ^f	0	0 ^g	0 ^f	0	0 ^g	0 ^f	1	0.2 ^g	100 ^f	0	0 ^g	0 ^f	1	0.03 ^g	
	<i>Diagnostic yield</i>																		
	ACN ^h	63	25.4 ⁱ	19.6 ^f	32	19.9 ⁱ	10.0 ^f	24	17.1 ⁱ	7.5 ^f	119	21.7 ⁱ	37.1 ^f	202	7.0 ⁱ	62.9 ^f	321	9.3 ⁱ	
CRC	5	2.0 ⁱ	38.5 ^f	4	2.5 ⁱ	30.8 ^f	0	0 ⁱ	0 ^f	9	1.6 ⁱ	69.2 ^f	4	0.1 ⁱ	30.8 ^f	13	0.4 ⁱ		
AAs	59	23.8 ⁱ	19.0 ^f	29	18.0 ⁱ	9.3 ^f	24	17.1 ⁱ	7.7 ^f	112	20.4 ⁱ	36.0 ^f	199	6.9 ⁱ	64.0 ^f	311	9.0 ⁱ		
Women	Invited	2781			1926			1846			2781								
	Completed FIT ^a	2048	73.6		1869	97.0		1774	96.1		2048	73.6							

Tested positive	89 ^b	4.3 ^c		71	3.8 ^c		57	3.2 ^c		217 ^d	10.6 ^c						
Invited for colonic examination	-	-		-	-		-	-		-	-		-	-		-	
Colonic examination performed	81	91.0 ^e	4.6 ^f	63	88.7 ^e	3.6 ^f	51	89.5 ^e	2.9 ^f	195	89.9 ^e	11.2 ^f	1550	-	88.8 ^f	1745	
Colonoscopy	78	96.3 ^g	4.6 ^f	63	100 ^g	3.7 ^f	50	98.0 ^g	2.9 ^f	191	97.9 ^g	11.2 ^f	1509	97.4 ^g	88.8 ^f	1700	97.4 ^g
CTC (no colonoscopy)	3	3.7 ^g	6.8 ^f	0	0 ^g	0 ^f	1	2.0 ^g	2.3 ^f	4	2.1 ^g	9.1 ^f	40	2.6 ^g	90.9 ^f	44	2.5 ^g
FS (no colonoscopy or CTC)	0	0 ^g	0 ^f	0	0 ^g	0 ^f	0	0 ^g	0 ^f	0	0 ^g	0 ^f	1	0.1 ^g	100 ^f	1	0.06 ^g
Diagnostic yield																	
ACN^h	20	24.7 ⁱ	14.1 ^f	11	17.5 ⁱ	7.7 ^f	15	29.4 ⁱ	10.6 ^f	46	23.6 ⁱ	32.4 ^f	96	6.2 ⁱ	67.6 ^f	142	8.1 ⁱ
CRC	3	3.7 ⁱ	23.1 ^f	4	6.3 ⁱ	30.8 ^f	2	3.9 ⁱ	15.4 ^f	9	4.6 ⁱ	69.2 ^f	4	0.3 ⁱ	30.8 ^f	13	0.7 ⁱ
AAs	19	23.5 ⁱ	14.4 ^f	8	12.7 ⁱ	6.1 ^f	13	25.5 ⁱ	9.8 ^f	40	20.5 ⁱ	30.3 ^f	92	5.9 ⁱ	69.7 ^f	132	7.6 ⁱ

FIT, faecal immunochemical test; CTC, computed tomography colonography; FS, flexible sigmoidoscopy; ACN, advanced colorectal neoplasia; CRC colorectal cancer; AA, advanced adenoma.

- Completion of FIT test was defined as having provided consent, returned an analysable round 1 FIT kit, and not subsequently withdrawn from the study.
- Three participants were defined as 'FIT positive' in round 1 during the pilot phase based on a threshold of 20 µg/g with a reading that was < 40 µg/g (i.e. that did not meet the positivity threshold used in the rest of the study).
- Percentages calculated using the number of those who completed FIT as the denominator. Positivity was defined as ≥ 40µg Hb/g faeces for the majority of the study, with the exception of the pilot phase where a threshold of 20µg Hb/g faeces was used.
- Participants who tested positive at any round, regardless of whether they completed FIT at all rounds to which they were invited.
- Percentages calculated using the number of those who tested positive as the denominator.
- Percentages calculated using the row total from the entire study findings as the denominator.
- Percentages calculated using the number of those who had a colonic examination performed as the denominator.
- ACN was defined as CRC or AA. Six participants in the entire study had both CRC and AA.
- Diagnostic yield in participants who had a colonic examination performed.