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Transition to quantitative faecal immunochemical testing from guaiac faecal occult blood testing in a fully rolled-out population-based national bowel screening programme

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Supplementary Tables

Supplementary Table 1. Uptake by age (years), sex, socio-economic deprivation

(Scottish Index of Multiple Deprivation: SIMD) and screening history

	FOBT (95% CI)	FIT (95% CI)
Uptake		
Total	56.4% (56.3%-56.5%)	63.9% (63.8%-64%)
Age group (years)		
50-54	47.3% (47.1%-47.5%)	57.5% (57.4%-57.7%)
55-59	53.8% (53.5%-54.0%)	60.3% (60.1%-60.5%)
60-64	59.7% (59.5%-59.9%)	66.1% (65.9%-66.3%)
65-69	66.2% (65.9%-66.4%)	71.3% (71.1%-71.6%)
70-74	63% (62.7%-63.2%)	69.6% (69.3%-69.8%)
Sex		
Male	53.2% (53.1%-53.4%)	61.6% (61.4%-61.7%)
Female	59.6% (59.4%-59.7%)	66.1% (66%-66.3%)
SIMD		
1 - most deprived	43.3% (43.1%-43.6%)	51.7% (51.4%-51.9%)
2	51.4% (51.2%-51.7%)	59.3% (59.1%-59.5%)
3	57.7% (57.5%-58%)	65.2% (65.0%-65.4%)
4	62.4% (62.2%-62.6%)	69.3% (69.1%-69.5%)
5 - least deprived	66.1% (65.8%-66.3%)	72.5% (72.3%-72.7%)
Screening history		
First round	45.8% (45.5%-46.1%)	59.1% (58.8%-59.5%)
Participated in previous round	87.5% (87.4%-87.6%)	92.3% (92.3%-92.4%)
Did not participate in previous round	38.6% (38.2%-39%)	52.9% (52.5%-53.2%)
Never participated	8.8% (8.7%-9%)	18.9% (18.8%-19.1%)

Supplementary Table 2. Positivity of Faecal Occult Blood Test (FOBT) and Faecal Immunochemical Test (FIT) by age (years), sex and socio-economic deprivation (Scottish Index of Multiple Deprivation: SIMD)

	FOBT (95% CI)	FIT (95% CI)
Positivity		
Total	2.2% (2.1%-2.2%)	3.1% (3%-3.1%)
Age group (years)		
50-54	1.6% (1.6%-1.7%)	2.3% (2.2%-2.4%)
55-59	1.8% (1.7%-1.9%)	2.7% (2.6%-2.8%)
60-64	1.8% (1.7%-1.9%)	3.1% (3%-3.2%)
65-69	2.9% (2.8%-3%)	3.7% (3.5%-3.8%)
70-74	3% (2.9%-3.1%)	4% (3.9%-4.2%)
Sex		
Male	2.6% (2.5%-2.7%)	3.6% (3.5%-3.7%)
Female	1.8% (1.7%-1.8%)	2.6% (2.5%-2.6%)
SIMD		
1 - most deprived	3.2% (3.1%-3.4%)	4.3% (4.1%-4.4%)
2	2.6% (2.5%-2.7%)	3.5% (3.4%-3.6%)
3	2.1% (2.0%-2.2%)	3.0% (3.0%-3.1%)
4	1.8% (1.7%-1.9%)	2.7% (2.6%-2.7%)
5 - least deprived	1.5% (1.5%-1.6%)	2.4% (2.3%-2.5%)

Supplementary Table 3. Colorectal cancer (CRC) positive predictive value (PPV) by age (years), sex and socio-economic deprivation (Scottish Index of Multiple Deprivation: SIMD)

	FOBT (95% CI)	FIT (95% CI)
CRC PPV		
Total	6.4% (5.9%-6.9%)	5.2% (4.8%-5.5%)
Age group (years)		
50-54	4.4% (3.5%-5.6%)	3.1% (2.5%-3.8%)
55-59	5.2% (4.2%-6.5%)	3.9% (3.2%-4.8%)
60-64	6.4% (5.3%-7.8%)	5% (4.3%-5.8%)
65-69	6.7% (5.7%-7.9%)	6.4% (5.5%-7.4%)
70-74	8.6% (7.4%-10.1%)	7.0% (6.2%-8.0%)
Sex		
Male	6.8% (6.1%-7.5%)	5.3% (4.8%-5.8%)
Female	5.9% (5.2%-6.7%)	5.0% (4.4%-5.5%)
SIMD		
1 - most deprived	5.3% (4.3%-6.4%)	3.8% (3.1%-4.6%)
2	5.5% (4.6%-6.7%)	4.7% (4%-5.6%)
3	6.0% (5.0%-7.3%)	5.3% (4.6%-6.2%)
4	6.5% (5.4%-7.8%)	6.0% (5.2%-6.9%)
5 - least deprived	9.1% (7.7%-10.7%)	6.0% (5.2%-7.0%)

Supplementary Table 4. Higher-risk (HR) adenoma positive predictive value (PPV)

by age (years), sex and socio-economic deprivation (Scottish Index of Multiple

Deprivation: SIMD)

	FOBT (95% CI)	FIT (95% CI)
HR adenoma PPV		
Total	19.3% (18.5%-20.2%)	24.3% (23.6%-25.2%)
Age group (years)		
50-54	16.3% (14.5%-18.3%)	20.0% (18.5%-21.6%)
55-59	18.1% (16.2%-20.1%)	22.6% (20.9%-24.3%)
60-64	18.5% (16.6%-20.5%)	24.8% (23.4%-26.3%)
65-69	20.7% (19%-22.5%)	27.5% (25.8%-29.2%)
70-74	22.3% (20.3%-24.3%)	26.2% (24.6%-27.8%)
Sex		
Male	23.1% (21.9%-24.3%)	28.8% (27.8%-29.8%)
Female	14.6% (13.5%-15.8%)	18.6% (17.6%-19.6%)
SIMD		
1 - most deprived	19.7% (17.8%-21.6%)	23.5% (21.9%-25.1%)
2	16.7% (15.1%-18.5%)	24.7% (23.2%-26.4%)
3	19.3% (17.5%-21.3%)	24% (22.5%-25.6%)
4	20.2% (18.4%-22.2%)	25.1% (23.5%-26.7%)
5 - least deprived	21.3% (19.2%-23.5%)	24.2% (22.6%-25.9%)