

Flexible sigmoidoscopy screening in England

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UK Bowel Cancer Screening Programmes

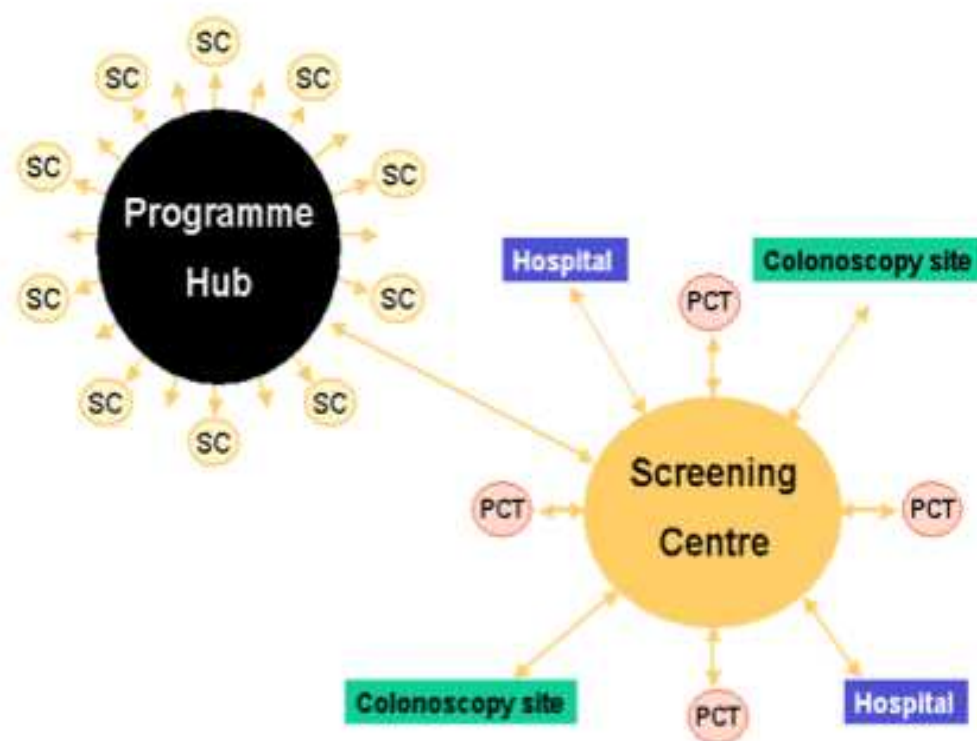
All use guaiac FOBT

Country	Age range	Roll out started	Roll out complete
England	66-74	2006	2010
Scotland	50-74	2007	2009
Wales	60-69	2007	2009
N. Ireland	60-69	2010	2011

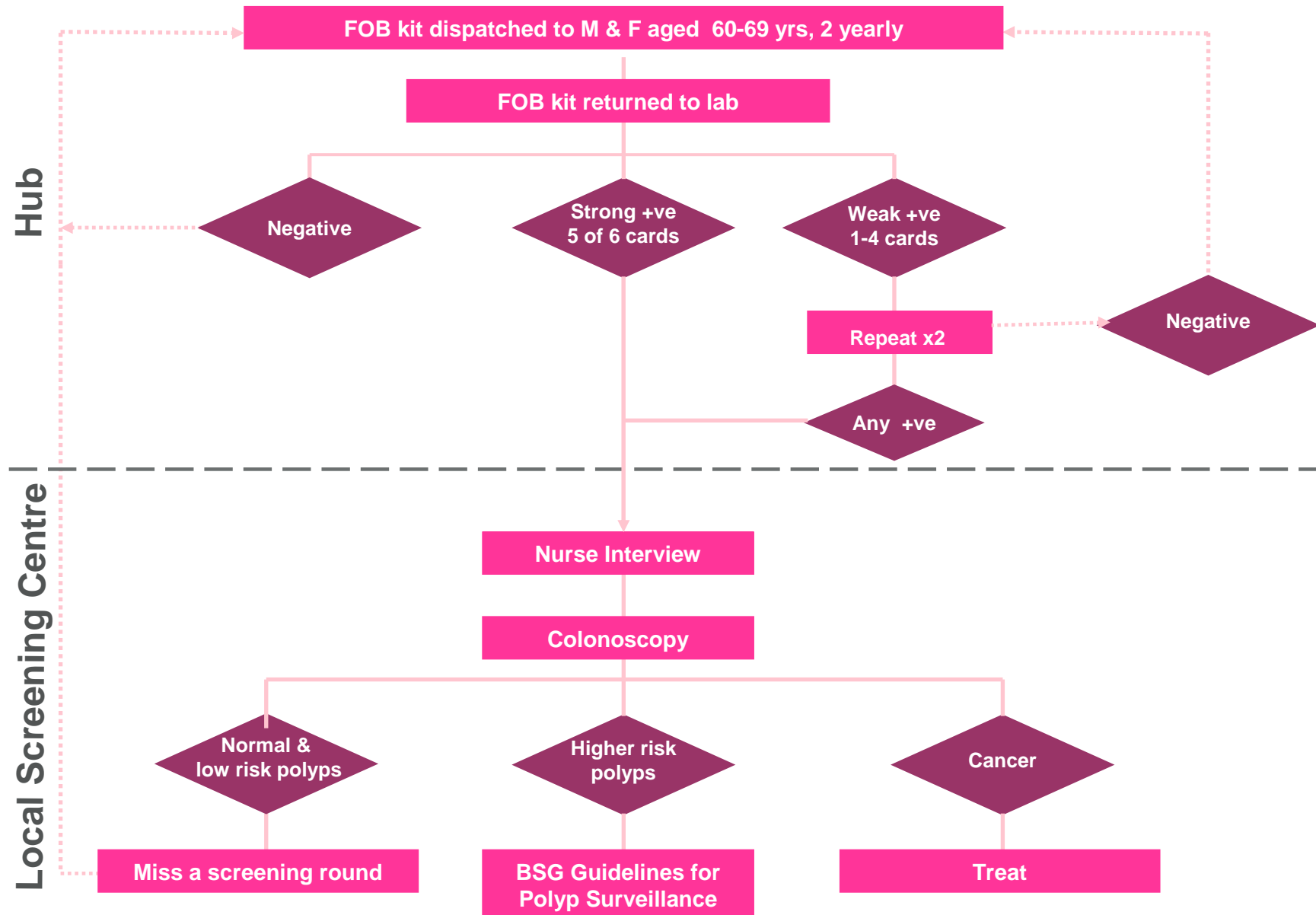


NHS Bowel Cancer Screening Programme

Overarching Structure



FOBT Bowel Cancer Screening Programme



Implementation of flexible sigmoidoscopy screening within the English Bowel Cancer Screening programme

October 2010, announcement by Prime Minister

£60m will be made available over the next four years to introduce the latest cancer screening technology.

The UK lags behind the European average in cancer survival rates

Better bowel cancer screening, using flexible sigmoidoscopy, could save 3,000 lives a year”

FS in English Bowel Cancer Screening programme

- Flexible sigmoidoscopy screen **just once** at age 55 years
- small polyps (< 10 mm) removed during screening
- colonoscopy only for high-risk adenomas:
≥3, ≥ 10 mm, ≥ 25% villous, high grade dysplasia



Atkin et al., Lancet 2010, 375:1624-33

FS in English Bowel Cancer Screening programme

- Flexible sigmoidoscopy screen **just once** at age 55 yrs
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Carbon dioxide mandatory!
- Colonoscopy only for high-risk adenomas:
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Implementing FS screening in the NHS BCSP

Important ssues

- Manpower: endoscopists
- Uptake rates in population
- Quality and safety of screening examinations

Specialist Nurse Endoscopists: FS + polypectomy



- At least as effective as specialist doctors
- More acceptable, particularly to women
 - 43% women prefer female endoscopist*
 - 80% gastroenterologists male
- Provide holistic approach
 - health education
 - counselling and patient support
- High uptake rates, particularly in women

* Menees: *Gastro Endosc* 2005

Flexible sigmoidoscopy screening for colorectal cancer: uptake in a population-based pilot programme

Kathryn Robb, Emily Power, Ines Kralj-Hans, Robert Edwards, Maggie Vance, Wendy Atkin and Jane Wardle

J Med Screen 2010;**17**:75–78
DOI: 10.1258/jms.2010.010055

- Invited 2260 men and women, aged 58 and 59 years, in 34 GP practices,
- for nurse-delivered FS screening at St Mark's, Nov 2006-Apr 2008

	Invited	FS screening uptake	gFOBT uptake
Harrow	991	53%	47%
Brent	1269	39%	40%

Variation in adenoma detection rates in FS trial

Trial endoscopist's ADR rank	People screened (n)	≥1 adenoma (ADR)	≥ 2 adenomas In people with ≥ 1adenoma detected (%)	Average no. of adenomas per 100 cases examined
1	3015	15.9	24.5	21.7
2	2646	14.7	21.5	19.3
3	3178	14.7	19.9	19.3
4	2907	14.5	24.0	19.2
5	2905	14.0	19.6	17.8
6	3085	12.6	22.8	16.2
7	2987	11.8	20.7	15.7
8	2902	11.3	18.4	14.0
9	2970	10.9	19.1	13.4
10	2948	9.8	13.2	11.5
11	2482	9.6	15.9	11.8
12	3902	9.1	15.8	10.9
13	2674	8.6	15.2	10.4
Total	38,601	12.1	19.3	15.4

Atkin et al. 2004. Gastroenterology. 126:1247–1256.

FS as part of NHS BSCP

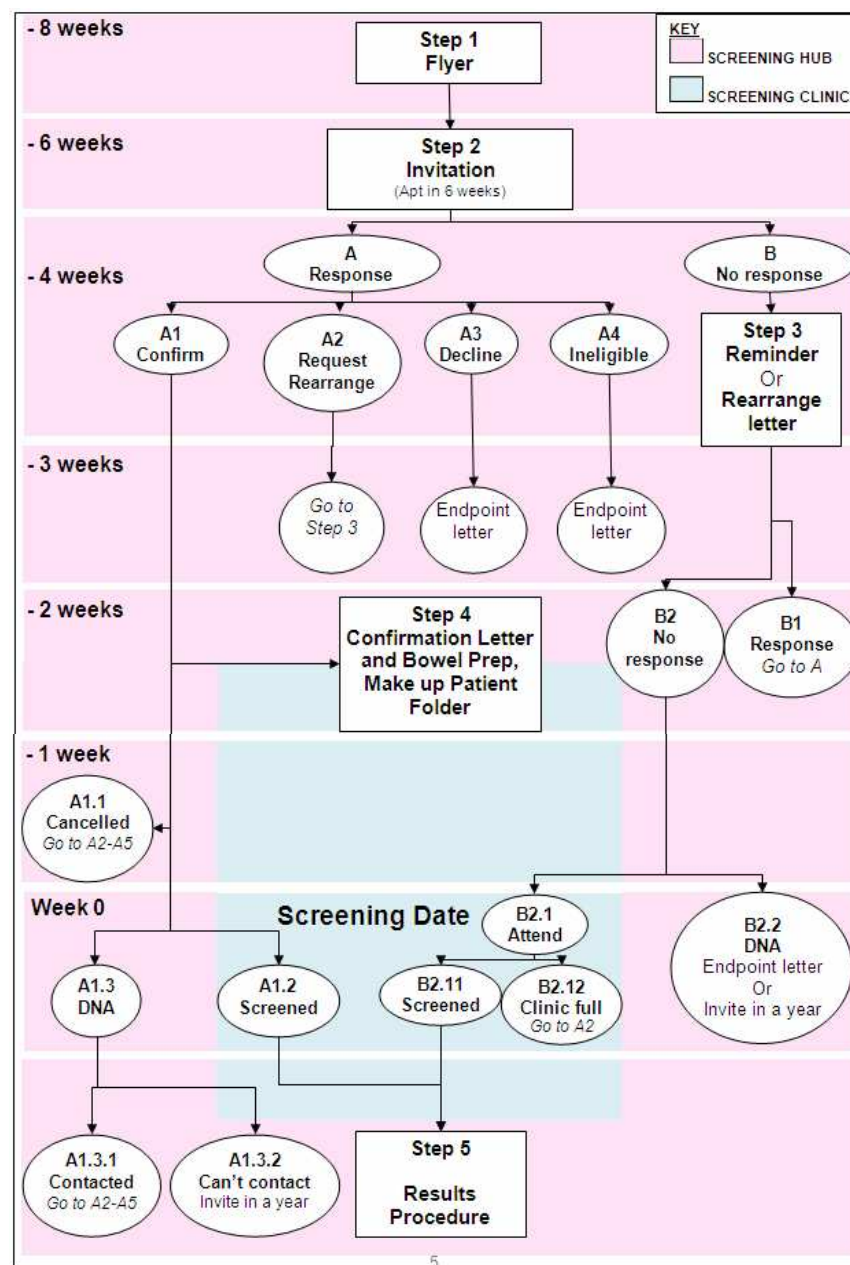
Focus on quality to ensure accuracy, comfort and safety

- Minimum number of procedures to establish competency
- JAG accreditation- inclusive of safe polypectomy
- Minimum number of procedures per year to maintain proficiency
- Continuous monitoring of performance (ADR/100 exams) with feedback
- Scope guides to improve orientation and ensure completeness of the exam
- CO₂ to improve comfort

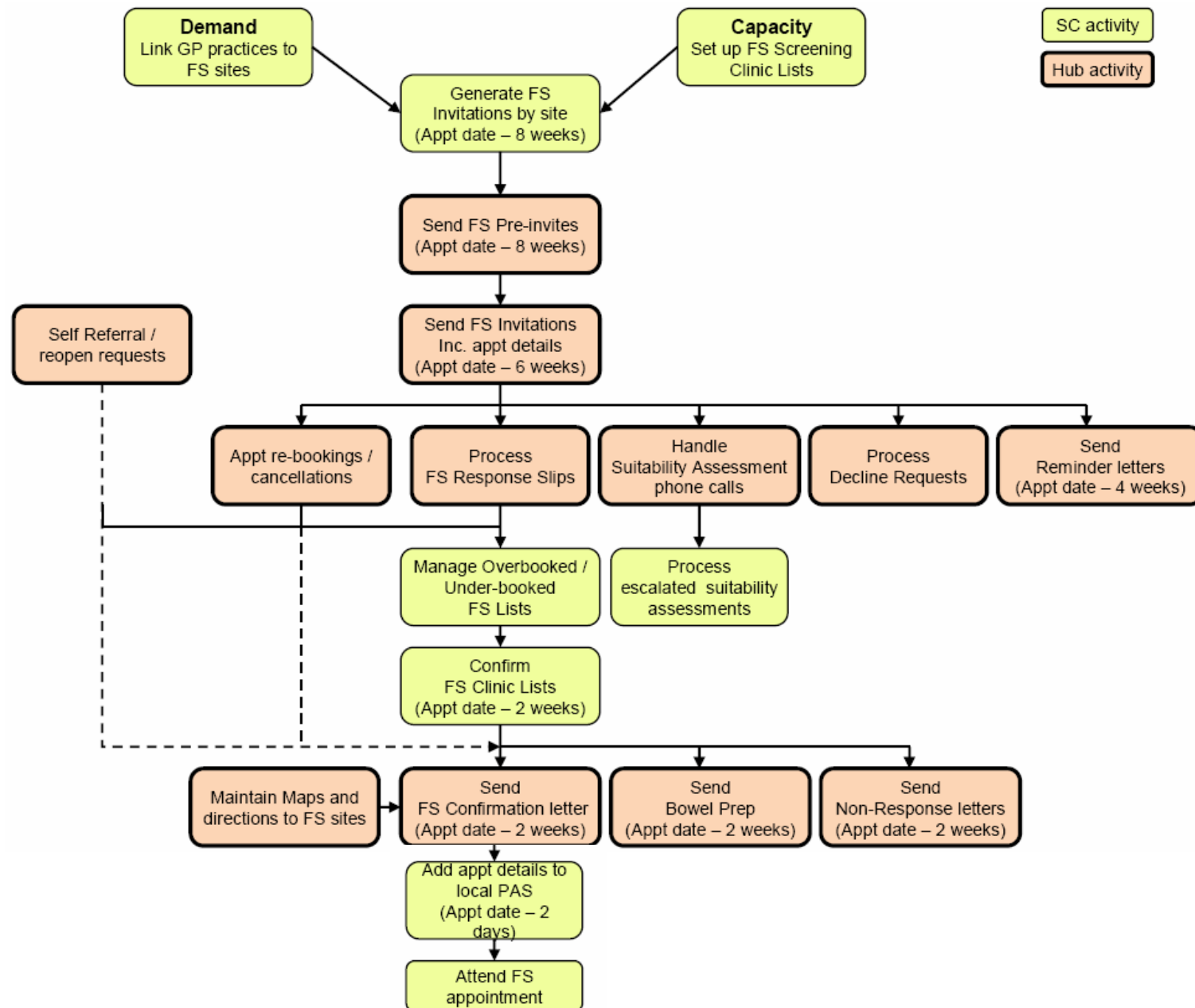
Roll-out of FS screening programme

- Pathfinder project January to May 2011
 - 4 sites tested organisational arrangements
- Pilot: 2013
 - 5 sites, one per region
- Expected coverage of England
 - 30% by March 2014
 - 60% by March 2015
 - 100% by 2015/6

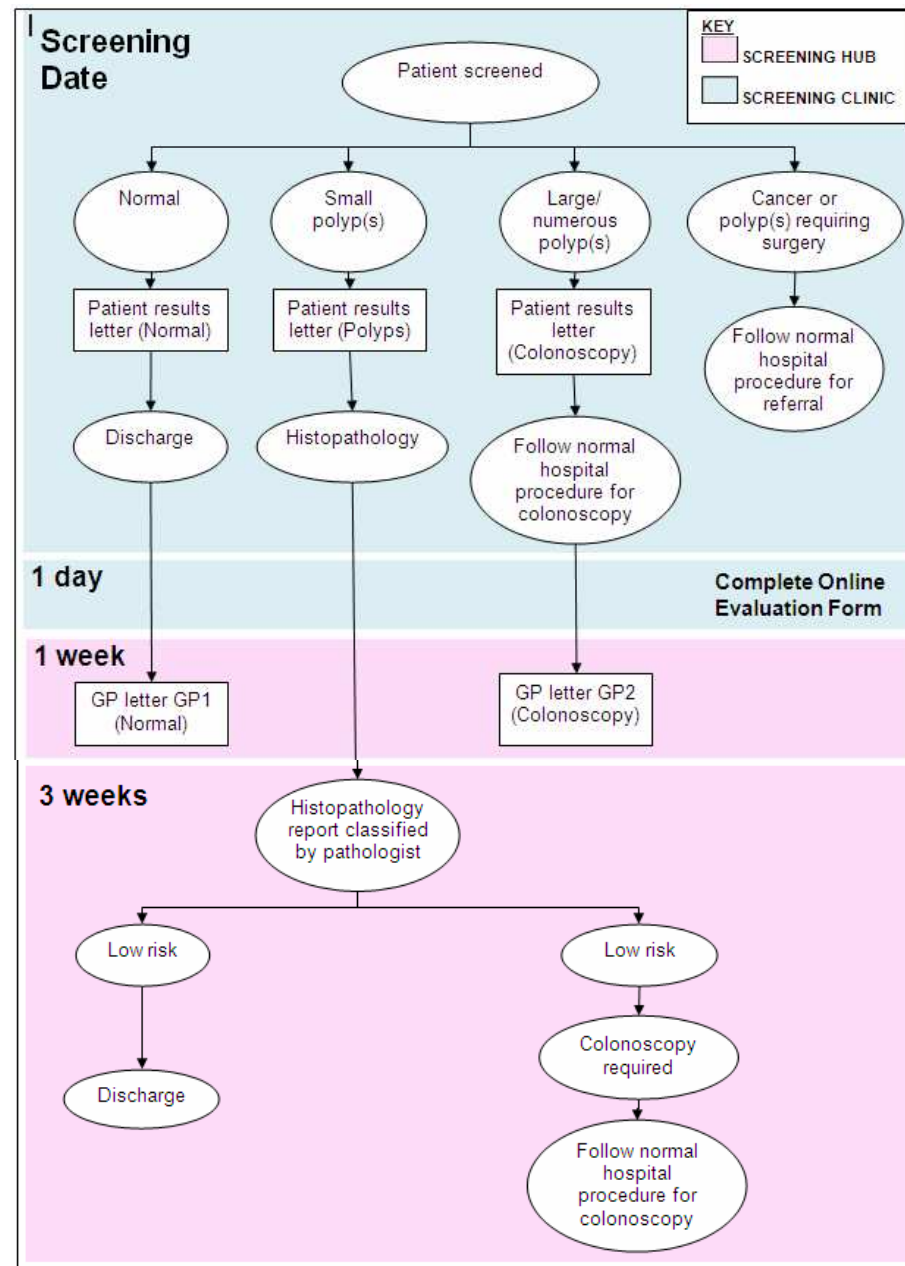
UK Flexible Sigmoidoscopy Screening Trial - Invitation procedure



NHS BCSP Invitations Overview and Timeline



Results procedure

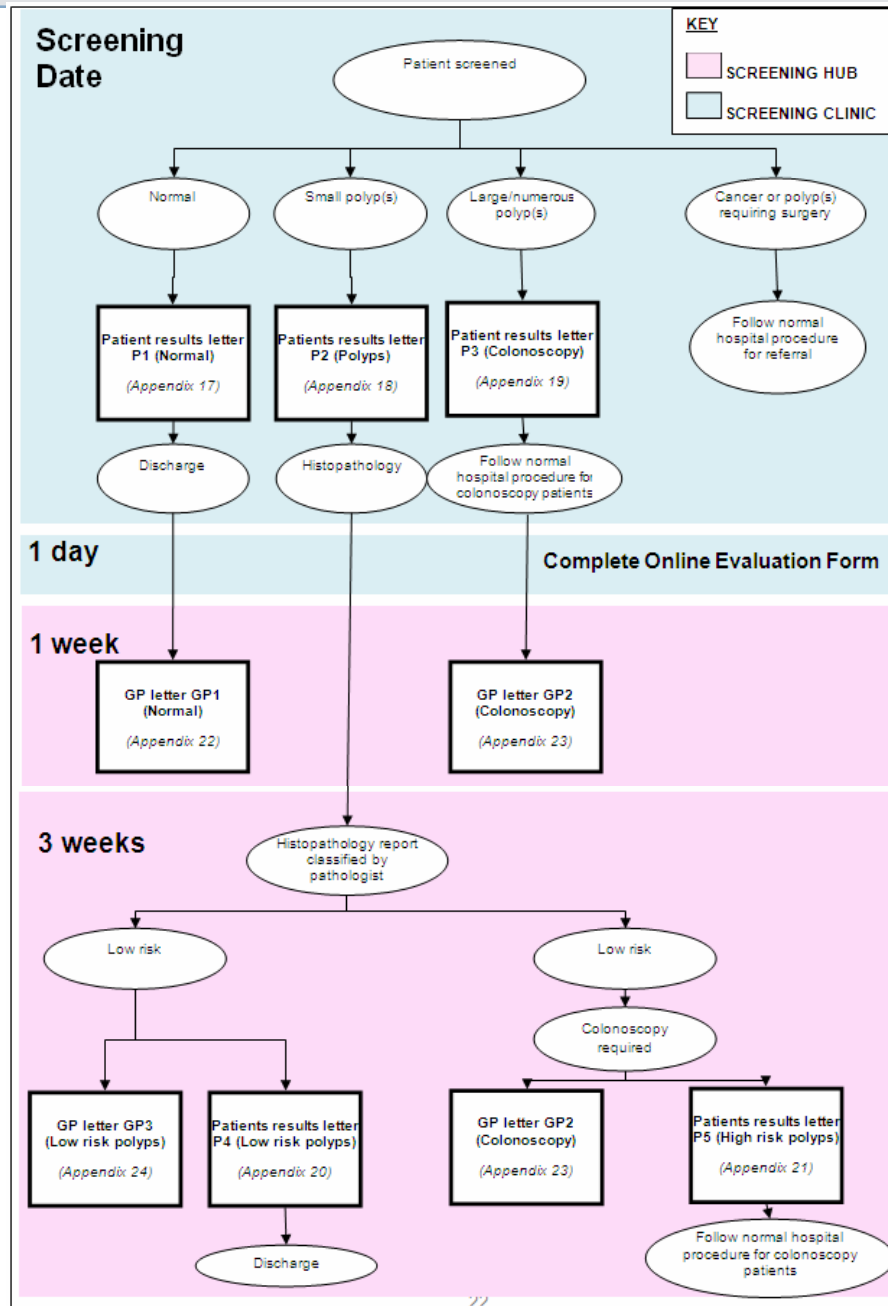


Thank You

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Results procedure



Flexible Sigmoidoscopy Screening Trial - Invitation procedure

