



**Technology Assessment Report commissioned by the NIHR Evidence Synthesis Programme on behalf of the National Institute for Health and Care Excellence – Diagnostics Assessment Report**

**PillCam COLON 2 for investigation of the colon through direct visualisation**

**Addendum: Additional analyses undertaken using the EAG's model**

<b>Produced by</b>	Sheffield Centre for Health and Related Research (SCHARR), The University of Sheffield
<b>Authors</b>	Mon Mon Yee, Research Associate, SCHARR, University of Sheffield Paul Tappenden, Professor of Health Economic Modelling, SCHARR, University of Sheffield Aline Navega Biz, Research Fellow, SCHARR, University of Sheffield
<b>Correspondence author</b>	Paul Tappenden, Professor of Health Economic Modelling, SCHARR, University of Sheffield, Sheffield, UK
<b>Date completed</b>	5 <sup>th</sup> March 2025

**Source of funding:** This report was commissioned by the NIHR Evidence Synthesis Programme as project number NIHR136010.

## **Introduction**

This addendum presents the results of additional analyses undertaken using the EAG's model, as requested in the company's consultation response on the final EAG report. Three sets of additional analyses are presented:

- Additional deterministic sensitivity analyses (DSAs). These are presented using fully incremental analyses and as pairwise comparisons.
- Additional tables which summarise the absolute QALYs and costs for all DSAs.
- Rankograms which summarise: (a) the probability that colon capsule endoscopy (CCE), colonoscopy (COL) and computed tomography colonography (CTC) generate the most QALYs and (b) the probability that CCE, COL and CTC incur the highest cost.

**Additional deterministic sensitivity analyses requested by the company**

**Table 1: Additional deterministic sensitivity analyses – CCE versus COL and/or CTC, fully incremental ICERs, COL-eligible populations**

No.	Scenario	1a: Symptomatic, FIT 10-100µg/g, COL-eligible			2a: Symptomatic, FIT <10µg/g, COL-eligible			3a: Surveillance (post-polypectomy), COL-eligible		
		CCE	COL	CTC	CCE	COL	CTC	CCE	COL	CTC
-	Base case (deterministic)	Dominated	£140,932	-	Dominated	£201,404	-	Dominated	£13,356	-
28	CCE aspiration rate = 0%.	Dominated	£140,932	-	Dominated	£201,404	-	Dominated	£13,356	-
29	Proportion of patients with subsequent polypectomy for COL completed groups = 20%	Dominated	£145,451	-	Dominated	£204,440	-	Dominated	£16,511	-
30	Proportion of patients with subsequent polypectomy for COL completed groups = 30%	Dominated	£149,984	-	Dominated	£207,482	-	Dominated	£19,672	-
31	CTC incompleteness rate = 5.25%	Dominated	£138,837	-	Dominated	£198,857	-	Dominated	£12,482	-
32	CTC incompleteness rate = 18%	Dominated	£128,902	-	Dominated	£186,779	-	Dominated	£8,335	-
33	Delayed diagnosis duration of polyps = 24 months	Dominated	£156,648	-	Dominated	£223,434	-	Dominated	£13,356	-
34	Delayed diagnosis duration of polyps = 12 months	Dominated	£173,471	-	£26,723,353	£246,974	-	Dominated	£13,356	-

*CCE - colon capsule endoscopy; COL - colonoscopy; CTC - computed tomography colonography; FIT - faecal immunochemical test; ICER - incremental cost-effectiveness ratio*

**Table 2: Deterministic sensitivity analyses – CCE versus CTC, fully incremental ICERs, COL-ineligible populations**

No.	Scenario	1b: Symptomatic, FIT 10-100µg/g, COL-ineligible		2b: Symptomatic, FIT <10µg/g, COL-ineligible		3b: Surveillance (post-polypectomy), COL-ineligible	
		CCE	CTC	CCE	CTC	CCE	CTC
-	Base case (deterministic)	£7,208,331	-	£632,836	-	Dominated	Dominating
28	CCE aspiration rate = 0%	£7,190,115	-	£631,209	-	Dominated	Dominating
29	Proportion of patients with subsequent polypectomy for COL completed groups = 20%	£7,208,331	-	£632,836	-	Dominated	Dominating
30	Proportion of patients with subsequent polypectomy for COL completed groups = 30%	£7,208,331	-	£632,836	-	Dominated	Dominating
31	CTC incompleteness rate = 5.25%	£7,540,742	-	£639,643	-	Dominated	Dominating
32	CTC incompleteness rate = 18%	£9,754,751	-	£675,367	-	Dominated	Dominating
33	Delayed diagnosis duration of polyps = 24 months	£1,963,982	-	£575,291	-	Dominated	Dominating
34	Delayed diagnosis duration of polyps = 12 months	£1,194,024	-	£532,544	-	Dominated	Dominating

*CCE - colon capsule endoscopy; COL - colonoscopy; CTC - computed tomography colonography; FIT - faecal immunochemical test; ICER - incremental cost-effectiveness ratio*

**Table 3: Additional deterministic sensitivity analyses – CCE versus comparators, pairwise ICERs, COL-eligible groups**

No.	Scenario	1a: Symptomatic, FIT 10-100µg/g, COL-eligible		2a: Symptomatic, FIT <10µg/g, COL-eligible		3a: Surveillance (post-polypectomy), COL-eligible	
		ICER (vs COL)	ICER (vs CTC)	ICER (vs COL)	ICER (vs CTC)	ICER (vs COL)	ICER (vs CTC)
-	Base case (deterministic)	Dominated	£814,299	Dominated	£434,488	Dominated	Dominated
28	CCE aspiration rate = 0%	Dominated	£812,428	Dominated	£433,500	Dominated	Dominated
29	Proportion of patients with subsequent polypectomy for COL completed groups = 20%	Dominated	£819,211	Dominated	£435,745	Dominated	Dominated
30	Proportion of patients with subsequent polypectomy for COL completed groups = 30%	Dominated	£824,137	Dominated	£437,003	Dominated	Dominated
31	CTC incompleteness rate = 5.25%	Dominated	£884,200	Dominated	£441,990	Dominated	Dominated
32	CTC incompleteness rate = 18%	Dominated	£1,434,787	Dominated	£479,562	Dominated	Dominated
33	Delayed diagnosis duration of polyps = 24 months	Dominated	£680,022	Dominated	£423,876	Dominated	Dominated
34	Delayed diagnosis duration of polyps = 12 months	Dominated	£593,465	£26,723,353	£414,952	Dominated	Dominated

*CCE - colon capsule endoscopy; COL - colonoscopy; CTC - computed tomography colonography; FIT - faecal immunochemical test; ICER - incremental cost-effectiveness ratio*

**Table 4: Additional deterministic sensitivity analyses – CCE versus CTC, pairwise ICERs, COL-ineligible groups**

No.	Scenario	1b: Symptomatic, FIT 10-100µg/g, COL-ineligible	2b: Symptomatic, FIT <10µg/g, COL-ineligible	3b: Surveillance (post-polypectomy), COL-ineligible
		ICER (vs CTC)	ICER (vs CTC)	ICER (vs CTC)
-	Base case (deterministic)	£7,208,331	£632,836	Dominated
28	CCE aspiration rate = 0%	£7,190,115	£631,209	Dominated
29	Proportion of patients with subsequent polypectomy for COL completed groups = 20%	£7,208,331	£632,836	Dominated
30	Proportion of patients with subsequent polypectomy for COL completed groups = 30%	£7,208,331	£632,836	Dominated
31	CTC incompleteness rate = 5.25%	£7,540,742	£639,643	Dominated
32	CTC incompleteness rate = 18%	£9,754,751	£675,367	Dominated
33	Delayed diagnosis duration of polyps = 24 months	£1,963,982	£575,291	Dominated
34	Delayed diagnosis duration of polyps = 12 months	£1,194,024	£532,544	Dominated

*CCE - colon capsule endoscopy; COL - colonoscopy; CTC - computed tomography colonography; FIT - faecal immunochemical test; ICER - incremental cost-effectiveness ratio*

**Table 5: Deterministic sensitivity analyses - absolute QALYs gained and costs for COL, CTC and CCE, symptomatic, FIT 10-100µg/g**

No.	Scenario description	1a: Symptomatic, FIT 10-100µg/g, COL-eligible						1b: Symptomatic, FIT 10-100µg/g, COL-ineligible			
		CCE		COL		CTC		CCE		CTC	
		QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs
-	Base case (deterministic)	11.3568	£5,392	11.3583	£5,073	11.3560	£4,750	11.3560	£5,326	11.3560	£4,755
1	Plain X-ray for all incomplete CCE tests	11.3568	£5,398	11.3583	£5,073	11.3560	£4,750	11.3560	£5,332	11.3560	£4,755
2	Pre-test CT scan for all CCEs	11.3568	£5,533	11.3583	£5,073	11.3560	£4,750	11.3560	£5,468	11.3560	£4,757
3	CCE cost = £828.36	11.3568	£5,485	11.3583	£5,073	11.3560	£4,750	11.3560	£5,419	11.3560	£4,756
4	CCE given in primary care	11.3568	£5,294	11.3583	£5,073	11.3560	£4,750	11.3560	£5,229	11.3560	£4,753
5	Patency capsule costs included	11.3569		11.3583	£5,073	11.3560	£4,750	11.3561		11.3560	
6	CCE reading time = 30 minutes	11.3568	£5,320	11.3583	£5,073	11.3560	£4,750	11.3560	£5,254	11.3560	£4,753
7	Prevalence based on FastTrack FIT	11.3176	£5,507	11.3188	£5,273	11.3167	£4,853	11.3169	£5,409	11.3166	£4,855
8	COL miss rate from Bressler <i>et al.</i>	11.3569	£5,392	11.3587	£5,073	11.3560	£4,750	11.3560	£5,326	11.3560	£4,755
9	CCE diagnostic accuracy from Spada <i>et al.</i>	11.3584	£5,367	11.3583	£5,073	11.3560	£4,750	11.3576	£5,302	11.3560	£4,754
10	CCE diagnostic accuracy equivalent to COL	11.3585	£5,332	11.3583	£5,073	11.3560	£4,750	11.3578	£5,267	11.3560	£4,753
11	CCE diagnostic accuracy from EAG meta-analysis SA1	11.3575	£5,379	11.3583	£5,073	11.3560	£4,750	11.3568	£5,314	11.3560	£4,754
12	CTC diagnostic accuracy from Halligan <i>et al.</i>	11.3568	£5,392	11.3583	£5,070	11.3568	£4,702	11.3563	£5,311	11.3568	£4,706
13	CTC diagnostic accuracy from Rosman <i>et al.</i>	11.3568	£5,392	11.3581	£5,074	11.3529	£4,770	11.3551	£5,332	11.3529	£4,774
14	CCE diagnostic accuracy equivalent to CTC	11.3579	£5,426	11.3583	£5,073	11.3560	£4,750	11.3571	£5,360	11.3560	£4,756
15	COL miss rates from Van Rijn <i>et al.</i>	11.3571	£5,398	11.3592	£5,093	11.3560	£4,750	11.3560	£5,326	11.3560	£4,755
16	CCE completion rate = 100%	11.3562	£5,189	11.3583	£5,073	11.3560	£4,750	11.3562	£5,189	11.3560	£4,755
17	COL used instead of FSIG	11.3568	£5,418	11.3583	£5,074	11.3560	£4,771	11.3560	£5,345	11.3560	£4,775
18	CTC repeated for 40% of incomplete CTCs	11.3568	£5,392	11.3583	£5,073	11.3560	£4,749	11.3560	£5,326	11.3560	£4,752
19	LRAs detected by CCE/CTC not referred for 1 year	11.3572	£5,252	11.3586	£5,058	11.3566	£4,567	11.3565	£5,132	11.3565	£4,568
20	Improved CRC stage dist. for CCE	11.3568	£5,392	11.3583	£5,073	11.3560	£4,750	11.3560	£5,326	11.3560	£4,755
21	Diagnostic delay for missed CRC = 1.5 years	11.3551	£5,386	11.3574	£5,070	11.3548	£4,746	11.3542	£5,320	11.3547	£4,750
22	Diagnostic delay for missed CRC = 4 months	11.3575	£5,393	11.3587	£5,074	11.3565	£4,751	11.3568	£5,328	11.3565	£4,756
23	Long-term costs for polyps and CRCs + 25%	11.3568	£5,569	11.3583	£5,247	11.3560	£4,929	11.3560	£5,505	11.3560	£4,934
24	Long-term costs for polyps and CRCs - 25%	11.3568	£5,214	11.3583	£4,899	11.3560	£4,571	11.3560	£5,147	11.3560	£4,575
25	Surveillance CRC dist. = 75% stage A, 25% stage B	11.3568	£5,392	11.3583	£5,073	11.3560	£4,750	11.3560	£5,326	11.3560	£4,755
26	CT/MRI used after failed index CTC (COL-ineligible)	11.3568	£5,392	11.3583	£5,073	11.3560	£4,750	11.3560	£5,326	11.3560	£4,744
27	CCE diagnostic accuracy equivalent to COL, CCE completion rate = 85%	11.3586	£5,230	11.3583	£5,073	11.3560	£4,750	11.3582	£5,198	11.3560	£4,753
28	CCE aspiration rate = 0%	11.3568	£5,390	11.3583	£5,073	11.3560	£4,750	11.3560	£5,325	11.3560	£4,755
29	Proportion of patients with subsequent polypectomy for COL completed groups = 20%	11.3568	£5,395	11.3583	£5,083	11.3560	£4,750	11.3560	£5,326	11.3560	£4,755

No.	Scenario description	1a: Symptomatic, FIT 10-100µg/g, COL-eligible						1b: Symptomatic, FIT 10-100µg/g, COL-ineligible			
		CCE		COL		CTC		CCE		CTC	
		QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs
30	Proportion of patients with subsequent polypectomy for COL completed groups = 30%	11.3568	£5,398	11.3583	£5,093	11.3560	£4,750	11.3560	£5,326	11.3560	£4,755
31	CTC incompleteness rate = 5.25%	11.3568	£5,392	11.3583	£5,073	11.3561	£4,766	11.3560	£5,326	11.3560	£4,778
32	CTC incompleteness rate = 18%	11.3568	£5,392	11.3583	£5,073	11.3564	£4,828	11.3560	£5,326	11.3560	£4,871
33	Delayed diagnosis duration of polyps = 24 months	11.3578	£5,376	11.3589	£5,063	11.3568	£4,737	11.3571	£5,309	11.3568	£4,741
34	Delayed diagnosis duration of polyps = 12 months	11.3586	£5,360	11.3595	£5,053	11.3576	£4,723	11.3580	£5,292	11.3575	£4,727

*CCE - colon capsule endoscopy; COL - colonoscopy; CTC - computed tomography colonography; FSIG - flexible sigmoidoscopy; CT - computed tomography; MRI - magnetic resonance imaging; SA - sensitivity analysis; FIT - faecal immunochemical test; LYG - life year gained; QALY - quality-adjusted life year; dist. - distribution*



**Table 6: Deterministic sensitivity analyses - absolute QALYs gained and costs for COL, CTC and CCE , symptomatic, FIT <10µg/g**

No.	Scenario description	2a: Symptomatic, FIT <10µg/g, COL-eligible						2b: Symptomatic, FIT <10µg/g, COL-ineligible			
		CCE		COL		CTC		CCE		CTC	
		QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs
-	Base case (deterministic)	11.4796	£2,448	11.4800	£2,177	11.4781	£1,800	11.4790	£2,365	11.4781	£1,803
1	Plain X-ray for all incomplete CCE tests	11.4796	£2,454	11.4800	£2,177	11.4781	£1,800	11.4790	£2,371	11.4781	£1,803
2	Pre-test CT scan for all CCEs	11.4796	£2,589	11.4800	£2,177	11.4781	£1,800	11.4790	£2,506	11.4781	£1,806
3	CCE cost = £828.36	11.4796	£2,541	11.4800	£2,177	11.4781	£1,800	11.4790	£2,458	11.4781	£1,805
4	CCE given in primary care	11.4796	£2,351	11.4800	£2,177	11.4781	£1,800	11.4790	£2,268	11.4781	£1,801
5	Patency capsule costs included	11.4796		11.4800	£2,177	11.4781	£1,800	11.4790		11.4781	
6	CCE reading time = 30 minutes	11.4796	£2,376	11.4800	£2,177	11.4781	£1,800	11.4790	£2,293	11.4781	£1,802
7	Prevalence based on FastTrack FIT	11.4796	£2,448	11.4800	£2,177	11.4781	£1,800	11.4790	£2,365	11.4781	£1,803
8	COL miss rate from Bressler <i>et al.</i>	11.4796	£2,448	11.4800	£2,177	11.4781	£1,800	11.4790	£2,365	11.4781	£1,803
9	CCE diagnostic accuracy from Spada <i>et al.</i>	11.4798	£2,420	11.4800	£2,177	11.4781	£1,800	11.4792	£2,337	11.4781	£1,802
10	CCE diagnostic accuracy equivalent to COL	11.4802	£2,390	11.4800	£2,177	11.4781	£1,800	11.4796	£2,307	11.4781	£1,802
11	CCE diagnostic accuracy from EAG meta-analysis SA1	11.4799	£2,438	11.4800	£2,177	11.4781	£1,800	11.4793	£2,355	11.4781	£1,803
12	CTC diagnostic accuracy from Halligan <i>et al.</i>	11.4796	£2,448	11.4800	£2,174	11.4786	£1,749	11.4791	£2,349	11.4786	£1,752
13	CTC diagnostic accuracy from Rosman <i>et al.</i>	11.4796	£2,448	11.4799	£2,177	11.4768	£1,807	11.4786	£2,367	11.4768	£1,811
14	CCE diagnostic accuracy equivalent to CTC	11.4798	£2,493	11.4800	£2,177	11.4781	£1,800	11.4792	£2,410	11.4781	£1,805
15	COL miss rates from Van Rijn <i>et al.</i>	11.4796	£2,458	11.4800	£2,210	11.4781	£1,801	11.4790	£2,365	11.4781	£1,803
16	CCE completion rate = 100%	11.4795	£2,223	11.4800	£2,177	11.4781	£1,800	11.4795	£2,223	11.4781	£1,803
17	COL used instead of FSIG	11.4796	£2,473	11.4800	£2,178	11.4781	£1,819	11.4790	£2,381	11.4781	£1,821
18	CTC repeated for 40% of incomplete CTCs	11.4796	£2,448	11.4800	£2,177	11.4781	£1,799	11.4790	£2,365	11.4781	£1,801
19	LRAs detected by CCE/CTC not referred for 1 year	11.4800	£2,297	11.4803	£2,160	11.4787	£1,602	11.4795	£2,154	11.4787	£1,601
20	Improved CRC stage dist. for CCE	11.4796	£2,448	11.4800	£2,177	11.4781	£1,800	11.4790	£2,365	11.4781	£1,803
21	Diagnostic delay for missed CRC = 1.5 years	11.4796	£2,448	11.4800	£2,177	11.4781	£1,800	11.4790	£2,365	11.4781	£1,803
22	Diagnostic delay for missed CRC = 4 months	11.4796	£2,448	11.4800	£2,177	11.4781	£1,800	11.4790	£2,365	11.4781	£1,803
23	Long-term costs for polyps and CRCs + 25%	11.4796	£2,463	11.4800	£2,190	11.4781	£1,818	11.4790	£2,382	11.4781	£1,822
24	Long-term costs for polyps and CRCs - 25%	11.4796	£2,432	11.4800	£2,164	11.4781	£1,782	11.4790	£2,348	11.4781	£1,785
25	Surveillance CRC dist. = 75% stage A, 25% stage B	11.4796	£2,448	11.4800	£2,177	11.4781	£1,800	11.4790	£2,365	11.4781	£1,803

No.	Scenario description	2a: Symptomatic, FIT <10µg/g, COL-eligible						2b: Symptomatic, FIT <10µg/g, COL-ineligible			
		CCE		COL		CTC		CCE		CTC	
		QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs
26	CT/MRI used after failed index CTC (COL-ineligible)	11.4796	£2,448	11.4800	£2,177	11.4781	£1,800	11.4790	£2,365	11.4781	£1,793
27	CCE diagnostic accuracy equivalent to COL, CCE completion rate = 85%	11.4802	£2,277	11.4800	£2,177	11.4781	£1,800	11.4799	£2,236	11.4781	£1,802
28	CCE aspiration rate is zero.	11.4796	£2,446	11.4800	£2,177	11.4781	£1,800	11.4790	£2,363	11.4781	£1,803
29	Proportion of patients with subsequent polypectomy for COL completed groups = 20%	11.4796	£2,450	11.4800	£2,182	11.4781	£1,800	11.4790	£2,365	11.4781	£1,803
30	Proportion of patients with subsequent polypectomy for COL completed groups = 30%	11.4796	£2,451	11.4800	£2,188	11.4781	£1,800	11.4790	£2,365	11.4781	£1,803
31	CTC incompleteness rate = 5.25%	11.4796	£2,448	11.4800	£2,177	11.4782	£1,818	11.4790	£2,365	11.4781	£1,826
32	CTC incompleteness rate = 18%	11.4796	£2,448	11.4800	£2,177	11.4784	£1,888	11.4790	£2,365	11.4783	£1,917
33	Delayed diagnosis duration of polyps = 24 months	11.4802	£2,438	11.4804	£2,170	11.4787	£1,790	11.4797	£2,354	11.4787	£1,793
34	Delayed diagnosis duration of polyps = 12 months	11.4808	£2,427	11.4808	£2,163	11.4792	£1,780	11.4803	£2,342	11.4792	£1,783

CCE - colon capsule endoscopy; COL - colonoscopy; CTC - computed tomography colonography; FSIG - flexible sigmoidoscopy; CT - computed tomography; MRI - magnetic resonance imaging; SA - sensitivity analysis; FIT - faecal immunochemical test; LYG - life year gained; QALY - quality-adjusted life year; dist. - distribution

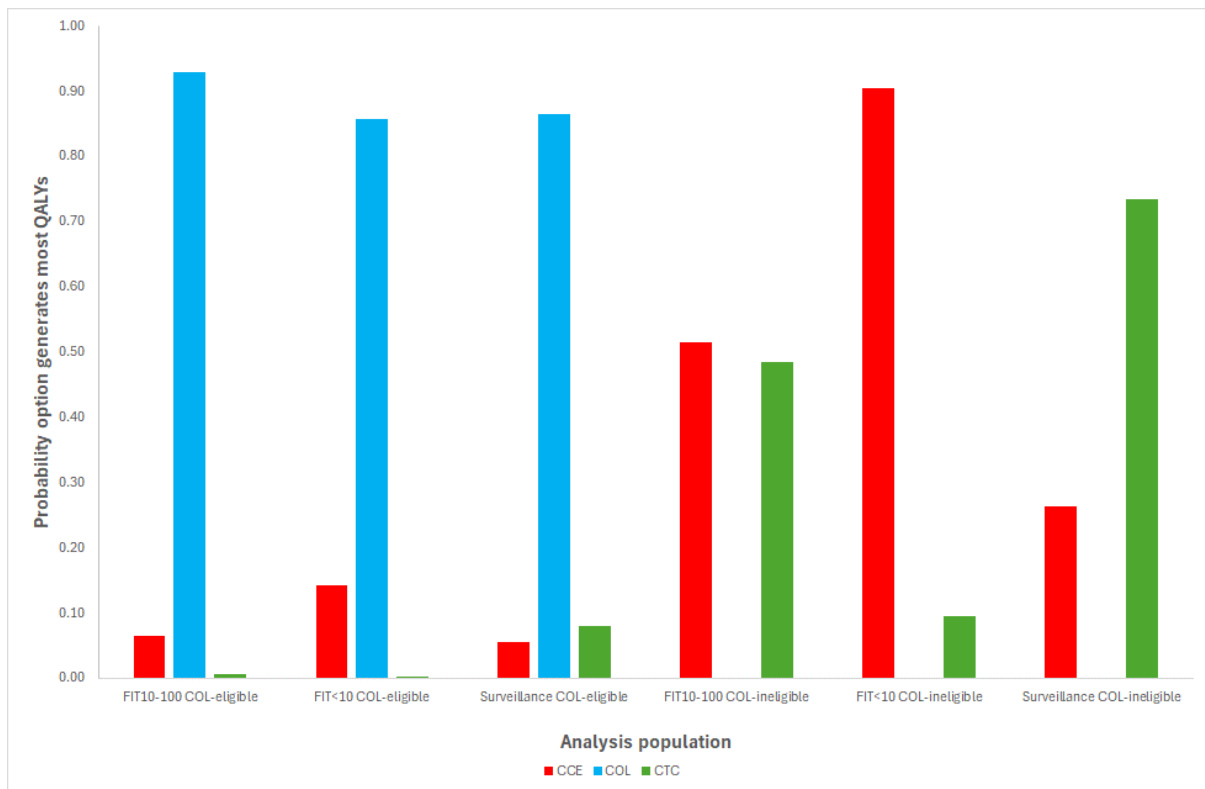
**Table 7: Deterministic sensitivity analyses - absolute QALYs gained and costs for COL, CTC and CCE, surveillance (post-polypectomy)**

No.	Scenario description	3a: Surveillance (post-polypectomy), COL-eligible						3b: Surveillance (post-polypectomy), COL-ineligible			
		CCE		COL		CTC		CCE		CTC	
		QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs
-	Base case (deterministic)	10.9022	£2,339	10.9097	£1,801	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
1	Plain X-ray for all incomplete CCE tests	10.9022	£2,345	10.9097	£1,801	10.9036	£1,719	10.9002	£2,354	10.9034	£1,729
2	Pre-test CT scan for all CCEs	10.9022	£2,480	10.9097	£1,801	10.9036	£1,719	10.9002	£2,489	10.9034	£1,732
3	CCE cost = £828.36	10.9022	£2,432	10.9097	£1,801	10.9036	£1,719	10.9002	£2,440	10.9034	£1,731
4	CCE given in primary care	10.9022	£2,242	10.9097	£1,801	10.9036	£1,719	10.9002	£2,250	10.9034	£1,727
5	Patency capsule costs included	10.9023		10.9097	£1,801	10.9036	£1,719	10.9002		10.9034	
6	CCE reading time = 30 minutes	10.9022	£2,267	10.9097	£1,801	10.9036	£1,719	10.9002	£2,276	10.9034	£1,728
7	Prevalence based on FastTrack FIT	10.9022	£2,339	10.9097	£1,801	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
8	COL miss rate from Bressler <i>et al.</i>	10.9022	£2,339	10.9097	£1,801	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
9	CCE diagnostic accuracy from Spada <i>et al.</i>	10.9046	£2,306	10.9097	£1,801	10.9036	£1,719	10.9025	£2,314	10.9034	£1,728
10	CCE diagnostic accuracy equivalent to COL	10.9101	£2,247	10.9097	£1,801	10.9036	£1,719	10.9081	£2,255	10.9036	£1,727
11	CCE diagnostic accuracy from EAG meta-analysis SA1	10.9059	£2,303	10.9097	£1,801	10.9036	£1,719	10.9039	£2,311	10.9035	£1,728
12	CTC diagnostic accuracy from Halligan <i>et al.</i>	10.9022	£2,339	10.9100	£1,797	10.9085	£1,650	10.9017	£2,326	10.9082	£1,661
13	CTC diagnostic accuracy from Rosman <i>et al.</i>	10.9022	£2,339	10.9089	£1,809	10.8876	£1,860	10.8952	£2,391	10.8874	£1,871
14	CCE diagnostic accuracy equivalent to CTC	10.9066	£2,327	10.9097	£1,801	10.9036	£1,719	10.9046	£2,335	10.9035	£1,729
15	COL miss rates from Van Rijn <i>et al.</i>	10.9031	£2,352	10.9126	£1,840	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
16	CCE completion rate = 100%	10.8988	£2,231	10.9097	£1,801	10.9036	£1,719	10.8988	£2,231	10.9034	£1,729
17	COL used instead of FSIG	10.9022	£2,360	10.9097	£1,802	10.9036	£1,737	10.9002	£2,365	10.9034	£1,747
18	CTC repeated for 40% of incomplete CTCs	10.9022	£2,339	10.9097	£1,801	10.9035	£1,719	10.9002	£2,347	10.9034	£1,727
19	LRAs detected by CCE/CTC not referred for 1 year	10.9023	£2,043	10.9097	£1,780	10.9037	£1,331	10.9003	£1,931	10.9035	£1,333
20	Improved CRC stage dist. for CCE	10.9022	£2,339	10.9097	£1,801	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
21	Diagnostic delay for missed CRC = 1.5 years	10.9022	£2,339	10.9097	£1,801	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
22	Diagnostic delay for missed CRC = 4 months	10.9022	£2,339	10.9097	£1,801	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
23	Long-term costs for polyps and CRCs + 25%	10.9022	£2,442	10.9097	£1,888	10.9036	£1,818	10.9002	£2,454	10.9034	£1,830
24	Long-term costs for polyps and CRCs - 25%	10.9022	£2,236	10.9097	£1,714	10.9036	£1,619	10.9002	£2,240	10.9034	£1,629
25	Surveillance CRC dist. = 75% stage A, 25% stage B	10.9022	£2,339	10.9097	£1,801	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
26	CT/MRI used after failed index CTC (COL-ineligible)	10.9022	£2,339	10.9097	£1,801	10.9036	£1,719	10.9002	£2,347	10.9035	£1,717

No.	Scenario description	3a: Surveillance (post-polypectomy), COL-eligible						3b: Surveillance (post-polypectomy), COL-ineligible			
		CCE		COL		CTC		CCE		CTC	
		QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs	QALYs	Costs
27	CCE diagnostic accuracy equivalent to COL, CCE completion rate = 85%	10.9101	£2,185	10.9097	£1,801	10.9036	£1,719	10.9091	£2,190	10.9036	£1,727
28	CCE aspiration rate = 0%	10.9022	£2,337	10.9097	£1,801	10.9036	£1,719	10.9002	£2,346	10.9034	£1,729
29	Proportion of patients with subsequent polypectomy for COL completed groups = 20%	10.9022	£2,345	10.9097	£1,821	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
30	Proportion of patients with subsequent polypectomy for COL completed groups = 30%	10.9022	£2,352	10.9097	£1,840	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
31	CTC incompleteness rate = 5.25%	10.9022	£2,339	10.9097	£1,801	10.9038	£1,727	10.9002	£2,347	10.9032	£1,755
32	CTC incompleteness rate = 18%	10.9022	£2,339	10.9097	£1,801	10.9046	£1,758	10.9002	£2,347	10.9026	£1,856
33	Delayed diagnosis duration of polyps = 24 months	10.9022	£2,339	10.9097	£1,801	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729
34	Delayed diagnosis duration of polyps = 12 months	10.9022	£2,339	10.9097	£1,801	10.9036	£1,719	10.9002	£2,347	10.9034	£1,729

CCE - colon capsule endoscopy; COL - colonoscopy; CTC - computed tomography colonography; FSIG - flexible sigmoidoscopy; CT - computed tomography; MRI - magnetic resonance imaging; SA - sensitivity analysis; FIT - faecal immunochemical test; LYG - life year gained; QALY - quality-adjusted life year; dist. - distribution

**Figure 1:** Rankogram showing the probability that CCE, COL or CTC generates the most QALYs based on 5,000 probabilistic model samples



**Figure 2:** Rankogram showing the probability that CCE, COL or CTC incurs the highest cost based on 5,000 probabilistic model samples

