

Supplemental Table S1. List of variables analyzed in chart review.

Variable	Coding
Demographic Variables	
Study ID number	numerical
Date of Birth (DOB)	(YY-MM-DD)
Date of Death (DOD)	(YY-MM-DD)
Gender	1- Male; 2- Female
Date of Procedure (DOP)	(YY-MM-DD)
Indication for Colonoscopy	1- Family history of CRC; 2- Personal history of CRC; 3- Family history of polyps; 4- Personal history of polyps; 5- No family history of CRC/polyps cancer screening; 6- known/suspected IBD; 7- Altered bowel habits; 8- Abdominal pain; 9- Not stated 10- Anemia of Chronic disease/Anemia/FOB+; 11- unidentified mass; 12- f/u diverticular disease; 13- acute bleeding; 14- rectal bleeding; 15- IBD Cancer screening; 16- Abnormal colonic imaging; 17- known carrier or a genetic CRC syndrome
Colonoscopy Variables	
Location	Health regions (categorical)
Did a trainee participate	1- Yes; 2- No; 9- Not stated
Endoscopist specialty	1- Gastroenterologist; 2- Internist; 3- Surgeon; 4- Family doctor; 9- Not stated
Was colonoscopy complete	1- Yes; 2- No; 9- Not stated
How was completeness documented	1- Landmark description; 2- Intubation of ileum; 3- Photograph; 4- Biopsy of ileum; 5- Not complete; 9- Not documented
If incomplete, what was the reason	1- Redundancy; 2- Obstruction; 3- Patient discomfort; 4- Complication; 5- Poor preparation; 6- Diverticulosis; 7- Not applicable (was complete) 9- Not stated
Maximal insertion	1- Cecal intubation; 2- Incomplete; 3- Flexible sigmoidoscopy; 9- Not stated
Documentation of rectal retroflexion	1- Yes; 2- No
Withdrawal time recorded	1- Yes; 2- No
Withdrawal time in minutes and seconds	numerical
Adverse events	1- Yes; 2- No; 9- Not stated
Bowel prep type	1- Pico Salax; 2- Purgodan; 3- Peglyte; 4- Golytely; 5- Bipeglyte; 6- fleet enema 7- picosalax, bisacodyl/ducolax 8- bisacodyl/ducolax ; 9- Not stated

Bowel prep quality	1- Excellent/Very good; 2- Good; 3- Fair/Poor; 4- Very poor/Bad; 9- Not stated
Findings (excluding polyps)	1- Normal; 2- IBD (active or in remission); 3- other benign (diverticulosis, angiodysplasia); 4- Colonoscopy not performed/started; 5- Normal but incomplete; 6- Perforation; 7- bleeding 9- Not stated 10- none
Sedation used	1- Yes; 2- No; 9- Not stated
Sedation agent	1- Propofol; 2- Versed; 3- Fentanyl; 4- Valium; 5- Demerol; 6- Demerol, valium, 7- fentanyl, Versed; 8 Versed, Demerol; 9- other; 10- Not stated; 11- none
Was antispasmodic used	1- Yes; 2- N-o; 9 Not stated
Polyp Variables at Index Colonoscopy	
Was a polyp identified	1- Yes; 2- No; 3- biopsied; 9- Not stated
Was a polyp removed	1- Yes; 2- No; 9- Not stated
Total number of polyps identified	numerical, 99- multiple
Total number of polyps removed	numerical, 99-multiple
Largest polyp size (mm)	numerical (blank is not stated)
Polyp morphology	1- Pedunculated; 2- Sessile; 3- Flat; 4- Umbilicated/ulcerated; 5- No polyp; 9- Not stated
Polyp histology	1- No polyp; 2- Adenoma; 3- Hyperplastic; 4- Inflammatory; 5- Lymphoid; 6- Normal; 7- Not determined (polyp not retrieved); 8- Malignant; 9- Leiomyoma; 10- polyp not removed; 11- Serrated (SSA/P); 12- Serrated with dysplasia; 13- Traditional serrated adenoma (TSA); 14- ganglioneuroma
Polyp location (largest polyp)	1- Cecum; 2- Ascending; 3- Hepatic flexure; 4- Transverse; 5- Splenic flexure; 6- Descending colon; 7- Sigmoid; 8- Rectum; 9- Not stated; 10- Pan colon; 11- Right colon; 12- Left colon; 13- no polyps
Polypectomy Technique	1- Snare/excision with cautery; 2- Snare/excision without cautery; 3- Cold/excisional biopsy; 4- Snare and hot excisional biopsy 5- Hot biopsy/fulguration; 6- Endoscopic mucosal resection (if any injection of fluid to create a pseudostalk); 7- N/A (no polyp); 8- Excised/snared with no further description; 9- Polyp not removed
Interval Colorectal Cancer Variables	
Pathology	1- Adenocarcinoma; 2- Adenosquamous carcinoma; 3- Spindle cell carcinoma; 4- Squamous cell (epidermoid) carcinoma; 5- Undifferentiated carcinoma; 6- Other (neuroendocrine, lymphoma, mesenchymal, etc.); 8- N/A (No CRC); 9- Not stated
Location	1- Cecum; 2- Ascending; 3- Hepatic flexure; 4- Transverse; 5- Splenic flexure; 6- Descending colon; 7- Sigmoid; 8- Rectosigmoid; 9- Rectum; 10- N/A (No CRC); 11- Not stated; 12- Multiple cancers; 13- liver met
Stage	1- Stage 1; 2- Stage 2; 3- Stage 3; 4- Stage 4; 8; N/A (No CRC); 9- Not stated