

**Supplementary Table 5.** Surgical History Related to IBD in Cohort 1 (Year 0)

Variable	Crohn's disease (n = 660)	Ulcerative colitis (n = 1,025)	Total (n = 1,685)
Surgical and medical procedures	231 (35.0)	23 (2.2)	254 (15.1)
Small intestinal resection	69 (10.5)	0	69 (4.1)
Abscess drainage	50 (7.6)	4 (0.4)	54 (3.2)
Colectomy	48 (7.3)	3 (0.3)	51 (3.0)
Intestinal resection	32 (4.9)	1 (0.1)	33 (2.0)
Anal fistula excision	27 (4.1)	2 (0.2)	29 (1.7)
Fistulotomy	20 (3.0)	1 (0.1)	21 (1.3)
Explorative laparotomy	11 (1.7)	1 (0.1)	12 (0.7)
Total colectomy total	4 (0.6)	5 (0.5)	9 (0.5)
Debridement	8 (1.2)	0	8 (0.5)
Ileectomy	8 (1.2)	0	8 (0.5)
Ileostomy	6 (0.9)	2 (0.2)	8 (0.5)
Proctocolectomy	2 (0.3)	3 (0.3)	5 (0.3)
Adhesiolysis	4 (0.6)	0	4 (0.2)
Hemorrhoid operation	3 (0.5)	1 (0.1)	4 (0.2)
Ileostomy closure	2 (0.3)	2 (0.2)	4 (0.2)
Colostomy	3 (0.5)	0	3 (0.2)
Intestinal anastomosis	1 (0.2)	2 (0.2)	3 (0.2)
Proctectomy	3 (0.5)	0	3 (0.2)
Small intestinal anastomosis	3 (0.5)	0	3 (0.2)
Anal skin tag excision	2 (0.3)	0	2 (0.1)
Anoplasty	2 (0.3)	0	2 (0.1)
Anorectal operation	2 (0.3)	0	2 (0.1)
Appendectomy	1 (0.2)	1 (0.1)	2 (0.1)
Gastrointestinal surgery	2 (0.3)	0	2 (0.1)
Ileocectomy	2 (0.3)	0	2 (0.1)
Intestinal fistula repair	2 (0.3)	0	2 (0.1)
Small intestine operation	2 (0.3)	0	2 (0.1)
Abdominal exploration	0	1 (0.1)	1 (0.1)
Colostomy closure	1 (0.2)	0	1 (0.1)
Enterostomy	1 (0.2)	0	1 (0.1)
Enterostomy closure	1 (0.2)	0	1 (0.1)
Fistula repair	1 (0.2)	0	1 (0.1)
Gastroenterostomy	1 (0.2)	0	1 (0.1)
Jejunectomy	1 (0.2)	0	1 (0.1)
Jejunostomy closure	1 (0.2)	0	1 (0.1)
Laparoscopic surgery	1 (0.2)	0	1 (0.1)
Sigmoidectomy	0	1 (0.1)	1 (0.1)
Investigations	13 (2.0)	2 (0.2)	15 (0.9)
Gastrointestinal examination	9 (1.4)	1 (0.1)	10 (0.6)
Laparoscopy	2 (0.3)	0	2 (0.1)
Diagnostic procedure	0	1 (0.1)	1 (0.1)
Physical examination	1 (0.2)	0	1 (0.1)
Rectal examination	1 (0.2)	0	1 (0.1)
Injury, poisoning and procedural complications	2 (0.3)	0	2 (0.1)
Post-procedural fistula	1 (0.2)	0	1 (0.1)
Wound evisceration	1 (0.2)	0	1 (0.1)
Gastrointestinal disorders	1 (0.2)	0	1 (0.1)
Anal dilatation	1 (0.2)	0	1 (0.1)

Values are presented as number (%).