

**Supplementary Table 1.** Disease Category and ICD-10 Codes for Included and Excluded Diseases

Disease category	Disease subgroup	ICD-10 codes
Included diseases		
Ulcerative colitis	Ulcerative colitis	K51.x
Excluded diseases		
Rheumatoid arthritis	Seropositive rheumatoid arthritis	M05.x
	Other rheumatoid arthritis	M06.x
Psoriasis	Psoriasis	L40.x
Psoriatic arthritis	Distal interphalangeal psoriatic arthropathy	M07.0
	Arthritis mutilans	M07.1
	Psoriatic spondylitis	M07.2
	Other psoriatic arthropathies	M07.3
	Arthropathic psoriasis	L40.5
Crohn's disease	Crohn's disease [regional enteritis]	K50.x
Ankylosing spondylitis	Ankylosing spondylitis	M45.x
Axial spondyloarthritis	Spinal enthesopathy	M46.0
	Sacroiliitis, NEC	M46.1
	Other specified inflammatory spondylopathies	M46.8
	Inflammatory spondylopathy, unspecified	M46.9
Behçet's disease	Intestinal Behçet's disease	M35.2
Hidradenitis suppurativa	Hidradenitis suppurativa	L73.2
Uveitis	Iridocyclitis	H20.x
	Chorioretinal inflammation	H30.x
	Other endophthalmitis	H44.1
	Iridocyclitis in infectious and parasitic diseases classified elsewhere	H22.0
	Iridocyclitis in other diseases classified elsewhere	H22.1
	Other disorders of the iris and ciliary body in diseases classified elsewhere	H22.8
	Chorioretinal inflammation in infectious and parasitic diseases classified elsewhere	H32.0
	Other chorioretinal disorders in diseases classified elsewhere	H32.8

ICD-10, International Classification of Diseases, 10th revision; NEC, not elsewhere classified.

**Supplementary Table 2.** Surgery Name and Surgery Code

Surgery name	Detailed name	Surgery code
Colectomy	Colectomy-subtotal	Q1261, Q1262
	Colectomy-total	QA672, Q2672
	Colectomy-segmental resection	QA673, Q2673
	Right or left hemicolectomy	QA671, Q2671
Colostomy	Colectomy with proximal colostomy and distal stump	QA679, Q2679
Ileostomy	Total colectomy (with ileostomy)	Q2925, QA925
Ileal pouch-anal anastomosis	Total colectomy (with ileal pouch-anal anastomosis)	Q2926, QA926
	Ileal pouch-anal anastomosis	Q2901