

Appendix Table 1. Codes used in this study from the Danish National Registry of Patients.

International Classification of Diseases (ICD) codes:

Inflammatory Bowel Disease:

ICD-8: 563.01 (Crohn's disease); 563.19+569.04 (Ulcerative colitis)

ICD-10: K50 (Crohn's disease); K51 (Ulcerative colitis)

Clostridium difficile infection

ICD-10: A047

Surgical procedure codes (NOMESCO) and treatment codes:

Total colectomy:

KJFH

Reoperation:

KJW

TNF- α treatment and cyclosporine:

BOHJ18A and BOHJ20

Appendix Table 2. Definition of diseases included in the Charlson Comorbidity Index (International Classification of Diseases (ICD) codes).

	Disease	ICD-8 codes	ICD-10 codes	Score
1	Myocardial infarction	410	I21;I22;I23	1
2	Congestive heart failure	427.09; 427.10; 427.11; 427.19; 428.99; 782.49	I50; I11.0; I13.0; I13.2	1
3	Peripheral vascular disease	440; 441; 442; 443; 444; 445	I70; I71; I72; I73; I74; I77	1
4	Cerebrovascular disease	430-438	I60-I69; G45; G46	1
5	Dementia	290.09-290.19; 293.09	F00-F03; F05.1; G30	1
6	Chronic pulmonary disease	490-493; 515-518	J40-J47; J60-J67; J68.4; J70.1; J70.3; J84.1; J92.0; J96.1; J98.2; J98.3	1
7	Connective tissue disease	712; 716; 734; 446; 135.99	M05; M06; M08; M09;M30;M31; M32; M33; M34; M35; M36; D86	1
8	Ulcer disease	530.91; 530.98; 531-534	K22.1; K25-K28	1
9	Mild liver disease	571 57301 57304	B18; K70.0-K70.3; K70.9; K71; K73; K74; K76.0	1
10	Diabetes type 1 Diabetes type 2	249.00; 249.06; 249.07; 249.09 250.00; 250.06; 250.07; 250.09	E10.0, E10.1; E10.9 E11.0; E11.1; E11.9	1

11	Hemiplegia	344	G81; G82	2
12	Moderate to severe renal disease	403; 404; 580-583; 584; 590.09; 593.19; 753.10-753.19; 792	I12; I13; N00-N05; N07; N11; N14; N17-N19; Q61	2
13	Diabetes with end-organ damage: - type 1 - type 2	249.01-249.05; 249.08 250.01-250.05; 250.08	E10.2-E10.8 E11.2-E11.8	2
14	Any tumor	140-194	C00-C75	2
15	Leukemia	204-207	C91-C95	2
16	Lymphoma	200-203; 275.59	C81-C85; C88; C90; C96	2
17	Moderate/severe liver disease	57300 07000 07002 07004 07006 07008 4560	B15.0; B16.0; B16.2; B19.0; K70.4; K72; K76.6; I85	3
18	Metastatic solid tumor	195-198; 199	C76-C80 C78.7)	6
19	AIDS	079.83	B21-B24	6

