Supplementary Table 1: IBD Diagnosis, ICD-9 codes

DX1	*Frequency*	*Percent*
5550: REGIONAL ENTERITIS- SMALL INTESTINE	6,649	25.4
5551: REGIONAL ENTERITIS- LARGE INTESTINE	2,828	10.8
5552: REGIONAL ENTERITIS- SMALL/LARGE INTESTINE	4,433	17.0
5559: REGIONAL ENTERITIS NOS	2,621	10.0
5560: ULCERATIVE ENTEROCOLITIS (Begin 1994)	180	0.69
5561: ULCERATIVE ILEOCOLITIS (Begin 1994)	262	1.0
5562: ULCERATIVE PROCTITIS (Begin 1994)	630	2.4
5563: ULCERATIVE PROCTOSIGMOIDITIS (Begin 1994)	353	1.4
5564: PSEUDOPOLYPOSIS OF COLON (Begin 1994)	71	0.27
5565: LEFT SIDED ULCERATIVE COLITIS (Begin 1994)	350	1.3
5566: UNIVERSAL ULCERATIVE COLITIS (Begin 1994)	2,043	7.8
5568: OTHER ULCERATIVE COLITIS (Begin 1994)	1,255	4.8
5569: ULCERATIVE COLITIS NOS (Begin 1994)	4,459	17.1
TOTAL	26,134	100

NOS = NOT OTHERWISE SPECIFIED

Supplementary Table 2: Surgical procedures, CPT codes

Procedure	*Frequency*	*Percent*
4561: MULTI SEGMENTAL SMALL BOWEL EXCISION	216	0.83
4562: PARTIAL SMALL BOWEL RESECTION	4,312	16.5
4563: TOTAL REMOVAL SMALL BOWEL	18	0.1
4571: MULTI SEGMENTAL LARGEG BOWEL EXCISION	90	0.34
4572: CECECTOMY	2,824	10.8
4573: RIGHT HEMICOLECTOMY	6,195	23.7
4574: TRANSVERSE COLON RESECTION	230	0.88
4575: LEFT HEMICOLECTOMY (Begin 1988)	635	2.4
4576: SIGMOIDECTOMY	630	2.4
4579: PARTIAL LARGE BOWEL EXCISION	1,601	6.1
4581: LAP TOTAL INTR-ABDOMINAL COLECTMY (Begin 2008)	1,614	6.2
4582: OP TOTAL INTR-ABDOMINAL COLECTMY (Begin 2008)	2,158	8.3
4583: TOTAL ABDOMINAL COLECTMY NOS (Begin 2008)	1,059	4.1
4595: ANAL ANASTOMOSIS (Begin 1987)	1,444	5.5
4693: REVISE SMALL BOWEL ANASTOMOSIS	74	0.28
4694: REVISE LARGE BOWEL ANASTOMOSIS	45	0.17
4840: PULL-THROUGH RESECTION OF RECTUM NOS (Begin 2008)	1	0.00
4850: ABDOMINAL PERINEAL RESECTION OF RECTM (Begin 2008)	77	0.29
4851: LAP APR OF RECTUM (Begin 2008)	194	0.74
4852: OPEN APR OF RECTUM (Begin 2008)	424	1.6
4859: ABDOMINAL PERINEAL RESCECTION OF RECTUM NOS (Begin 2008)	36	0.14
4862: ANTERIOR RESECTION OF RECTUM WITH COLOSTOMY	40	0.15
4863: ANTERIOR RESECTION OF RECTUM	209	0.80
4869: RECTAL RESECTION	2,008	7.7
TOTAL	26,134	100

NOS = NOT OTHERWISE SPECIFIED

Supplementary Table 3: VTE Diagnosis, ICD-9 codes

VTE Diagnosis	*Frequency*	*Percent*
325: INTRACRANIAL SINUS THROMBOSIS	5	0.86
41511: IATROGENIC PULMONARY EMBOLUS/ INFARCTION (Begin 1995)	51	8.75
41513: SADDLE PULMONARY EMBOLUS (Begin 2011)	1	0.17
41519: OTHER PULMONONARY EMBOLUS/ INFARCTION (Begin 1995)	113	19.38
45111: FEMORAL VEIN PHLEBITIS	2	0.34
45119: DEEP PHLEBITIS-LEG NOT ELSEWHERE CLASSIFIED	2	0.34
4512: THROMBOPHLEBITIS LEG NOS	1	0.17
45183: PHLEBITIS OF DEEP VEINS IN UPPER EXTREMITY (Begin 1993)	1	0.17
45184: PHLEBITIS OF UNSPECIFED VEIN IN UPPER EXTREMITY (Begin 1993)	28	4.80
45189: THROMBOPHLEBITIS NOT ELSEWHERE CLASSIFIED	4	0.69
4519: THROMBOPHLEBITIS NOS	4	0.69
452: PORTAL VEIN THROMBOSIS	75	12.86
4532: VENA CAVA THROMBOSIS	12	2.06
45340: DVT/EMBOLUS IN LOWER EXTREMITY NOS (Begin 2004)	44	7.55
45341: DVT/EMBOLUS IN PROXIMAL LOWER EXTREMITY (Begin 2004)	73	12.52
45342: DVT/EMBOLUS IN DISTAL LOWER EXREMITY (Begin2004)	48	8.23
4538: VENOUS THROMBOSIS NOT ELSEWHERE CLASSIFIED (end 2009)	113	19.38
4539: VENOUS THROMBOSIS NOS	6	1.03
TOTAL	583	100

NOS = NOT OTHERWISE SPECIFIED

Supplementary Table 4: Multivariable model on LOS

Factor	Population	N	Ratio (95% CI)	Change (%)	p-value
VTE during index stay vs No	Overall	14,919	1.96 (1.90-2.02)	95.8%	<0.001
	Crohn's	8,795	1.97 (1.90-2.04)	97.3%	<0.001
	UC	6,124	1.90 (1.82-1.98)	89.6%	<0.001

Log transformation of length of stay was used in the model. Ratio was calculated as e^{β}, β is the estimated coefficient from model. Change (%) is calculated as $(e^{\beta} - 1) \times 100$.
CI: confidence interval
Model adjusted for: age, diagnosis, procedure type, surgical approach, gender, elective, transfer status, race, payer, hospital bedsize, hospital teaching/location, hosptial region, and hospital controller.
Survey procedures accouning for strata, clusters, and weights were used for computation.

Supplementary Table 5: Multivariable model on Mortality

Factor	Population	N	Weighted OR (95% CI)	p-value
VTE during index stay vs No	Overall	41,888	3.69 (2.08-6.54)	<0.001
	Crohn's	16,492	4.49 (1.80-11.18)	0.001
	UC	25,342	2.92 (1.43-5.93)	0.003

Model adjusted for: age, diagnosis, procedure type, surgical approach, gender, elective, transfer status, race, payer, hospital bedsize, hospital teaching/location, hosptial region, and hospital controller.
OR: odds ratio; CI: confidence interval
Survey procedures accouning for strata, clusters, and weights were used for computation.

Supplementary Table 6: Multivariable model on Cost (sensitivity analysis)

Factor	Population	N	Ratio (95% CI)	Change (%)	p-value
VTE during index stay vs No	Overall	13,945	1.95 (1.88-2.01)	95.8%	<0.001
	Crohn's	8,205	2.17 (2.08-2.26)	97.3%	<0.001
	UC	5,740	1.73 (1.66-1.80)	89.6%	<0.001

Log transformation of cost was used in the model. Ratio was calculated as e^{β}, β is the estimated coefficient from model. Change (%) is calculated as $(e^{\beta} - 1) \times 100$.
CI: confidence interval
Model adjusted for: age, diagnosis, procedure type, surgical approach, gender, elective, transfer status, race, payer, hospital bedsize, hospital teaching/location, hosptial region, and hospital controller.
Survey procedures accouning for strata, clusters, and weights were used for computation.

Figure 1: Average additional cost of VTE versus time in CD and UC

