

Supplemental Table 2. Sensitivity analysis - Multivariable logistic regression of patient and procedure-related determinants of any bowel preparation among patients in the NSQIP database who underwent elective colectomy between 2012-2018 (N = 87,481)^a

Characteristic	Any bowel preparation ^b		
	aOR	95% CI	P-value
Operative Year			
2012	Reference	-	-
2013	0.95	0.88, 1.02	0.15
2014	0.81	0.76, 0.88	< 0.01
2015	0.92	0.86, 0.99	0.03
2016	1.00	0.94, 1.08	0.83
2017	1.34	1.25, 1.44	< 0.01
2018	1.38	1.28, 1.48	< 0.01
Age			
< 30 years old	0.77	0.73, 0.89	< 0.01
30-39 years old	0.90	0.84, 0.98	0.01
40-49 years old	0.99	0.92, 1.03	0.36
50-59 years old	1.00	0.96, 1.05	0.79
60-69 years old	Reference	-	-
70-79 years old	0.90	0.86, 0.94	< 0.01
80-89 years old	0.81	0.77, 0.87	< 0.01
Sex			
Female	Reference	-	-
Male	1.04	1.01, 1.07	0.02
Race			
White	Reference	-	-
Black or African American	0.88	0.84, 0.93	< 0.01
Other	0.99	0.91, 1.07	0.73
Unknown/Not Reported	0.72	0.67, 0.77	< 0.01
Ethnicity			
Not Hispanic	Reference	-	-
Hispanic	0.87	0.80, 0.93	< 0.01

Unknown/Not Reported	0.59	0.55, 0.64	< 0.01
Body Mass Index			
Normal weight (BMI = 18.5 – 24.9)	Reference		
Overweight (BMI = 25.0 – 29.9)	1.02	0.98, 1.07	0.27
Obese (BMI ≥ 30)	1.04	1.00, 1.08	0.07
Underweight (BMI < 18.5)	0.84	0.76, 0.93	< 0.01
History of Congestive Heart Failure	0.78	0.65, 0.95	0.01
High blood urea nitrogen (BUN > 25)	0.90	0.84, 0.96	< 0.01
Indication for Surgery			
Colon cancer	Reference	-	-
Colon cancer with obstruction	0.62	0.57, 0.68	< 0.01
Acute diverticulitis	0.93	0.87, 1.00	0.05
Bleeding	0.64	0.48, 0.85	< 0.01
Chronic diverticular disease	1.18	1.13, 1.23	< 0.01
Crohn's disease	0.62	0.58, 0.67	< 0.01
Enterocolitis (i.e. <i>C. difficile</i>)	0.48	0.24, 0.99	0.05
Non-malignant polyp	0.93	0.88, 0.97	< 0.01
Ulcerative colitis	0.56	0.53, 0.63	< 0.01
Volvulus	0.53	0.44, 0.64	< 0.01
Surgical Approach			
Open	Reference	-	-
Minimally invasive	1.20	1.16, 1.25	< 0.01
Colectomy Laterality			
Left			
Right	0.74	0.71, 0.77	< 0.01
aOR = adjusted odds ratio; CI = confidence interval; SD = standard deviation; ^a Listwise deletion of variables with missing data reduced the total sample size, though not enough to decrement the power of the study; ^b Any bowel prep = mechanical only, both			