

5.4.4a [If risk/case-mix factors are addressed by any method (5.4.1)] Attach Risk/Case-mix Adjustment Modeling and/or Stratification Specifications

Table. Colon Procedures, Complex 30-Day Model

Parameter	Parameter Estimate	Standard Error	P-value
Intercept	-5.5134	0.1039	<.0001
Scope: No	0.6402	0.0271	<.0001
Scope: Yes	REFERENT	-	-
Procedure duration: 67-107 (Min)	0.2344	0.0521	<.0001
Procedure duration: 108-145 (Min)	0.3900	0.0515	<.0001
Procedure duration: 146-232 (Min)	0.5221	0.0490	<.0001
Procedure duration: 233-296 (Min)	0.6950	0.0556	<.0001
Procedure duration: ≥297 (Min)	0.8690	0.0541	<.0001
Procedure duration: ≤66 (Min)	REFERENT	-	-
Trauma: Yes	0.3607	0.0520	<.0001
Trauma: No	REFERENT	-	-
ASA score: 3/4/5	0.3089	0.0281	<.0001
ASA score: 1/2	REFERENT	-	-
Patient's age: 18-39 years	0.5080	0.0532	<.0001
Patient's age: 40-62 years	0.3765	0.0443	<.0001
Patient's age: 63-79 years	0.1970	0.0438	<.0001
Patient's age: 80-109 years	REFERENT	-	-
Surgical wound class: Contaminated/Dirty	0.1707	0.0245	<.0001
Surgical wound class: Clean-Contaminated	REFERENT	-	-
Total number of beds ¹ : ≥319 beds	0.0958	0.0248	0.0001
Total number of beds ¹ : <319 beds	REFERENT	-	-
Emergency: Yes	0.1097	0.0300	0.0003
Emergency: No	REFERENT	-	-
Medical School Affiliation ¹ : Major	0.0723	0.0259	0.0052
Medical School Affiliation ¹ : Graduate/Undergraduate/None	REFERENT	-	-
Sex: Male	0.1212	0.0231	<.0001
Sex: Female	REFERENT	-	-
BMI: ≥40	0.1111	0.0427	0.0093
BMI: <40	REFERENT	-	-
Oncology Hospital ² : Yes	0.3658	0.0831	<.0001
Oncology Hospital ² : No	REFERENT	-	-
Anesthesia: Yes	0.1708	0.0823	0.0380
Anesthesia: No	REFERENT	-	-

Table . Abdominal Hysterectomy Procedures, Complex 30-Day Model

Parameter	Parameter Estimate	Standard Error	P-value
Intercept	-6.4524	0.1514	<.0001
Procedure duration: 80-136 (Min)	0.4701	0.0755	<.0001
Procedure duration: 137-188 (Min)	0.7385	0.0804	<.0001
Procedure duration: ≥189 (Min)	0.9316	0.0794	<.0001
Procedure duration: ≤79 (Min)	REFERENT	-	-
BMI: ≤30	0.2188	0.0476	<.0001
BMI: <30	REFERENT	-	-
Patient's age: 18-47 years	0.6110	0.0569	<.0001
Patient's age: 48-55 years	0.3018	0.0690	<.0001
Patient's age: 56-109 years	REFERENT	-	-
ASA score: 2	0.3276	0.1300	0.0118
ASA score: 3/4/5	0.5465	0.1338	<.0001
ASA score: 1	REFERENT	-	-
Scope: No	0.1667	0.0449	0.0002
Scope: Yes	REFERENT	-	-
Medical School Affiliation ¹ : Major	0.0934	0.0473	0.0483
Medical School Affiliation ¹ : Graduate/Undergraduate/None	REFERENT	-	-
Oncology Hospital ² : Yes	0.5740	0.1552	0.0002
Oncology Hospital ² : No	REFERENT	-	-
Diabetes: Yes	0.1466	0.0634	0.0208
Diabetes: No	REFERENT	-	-

¹ Medical school affiliation is reported on the [Annual Hospital Survey](#).

² Based on NHSN enrollment as HOSP-ONC