

## SUPPLEMENTAL DIGITAL CONTENT

Supplemental Table I. CPT Codes with Descriptions used to Identify Colorectal Procedures	
Code	Description
44140	Colectomy, partial; with anastomosis
44141	Colectomy, partial; with skin level cecostomy or colostomy
44143	Colectomy, partial; with end colostomy and closure of distal segment (Hartmann type procedure)
44144	Colectomy, partial; with resection, with colostomy or ileostomy and creation of mucofistula
44145	Colectomy, partial; with coloproctostomy (low pelvic anastomosis)
44146	Colectomy, partial; with coloproctostomy (low pelvic anastomosis), with colostomy
44150	Colectomy, total, abdominal, without proctectomy; with ileostomy or ileoproctostomy
44151	Colectomy, total, abdominal, without proctectomy; with continent ileostomy
44155	Colectomy, total, abdominal, with proctectomy; with ileostomy
44156	Colectomy, total, abdominal, with proctectomy; with continent ileostomy
44160	Colectomy, partial, with removal of terminal ileum with ileocolostomy
44204	Laparoscopy, surgical; colectomy, partial, with anastomosis
44205	Laparoscopy, surgical; colectomy, partial, with removal of terminal ileum with ileocolostomy
44206	Laparoscopy, surgical; colectomy, partial, with end colostomy and closure of distal segment (Hartmann type procedure)
44207	Laparoscopy, surgical; colectomy, partial, with anastomosis, with coloproctostomy (low pelvic anastomosis)
44208	Laparoscopy, surgical; colectomy, partial, with anastomosis, with coloproctostomy (low pelvic anastomosis) with colostomy
44210	Laparoscopy, surgical; colectomy, total, abdominal, without proctectomy, with ileostomy or ileoproctostomy
44212	Laparoscopy, surgical; colectomy, total, abdominal, with proctectomy, with ileostomy
CPT, Current Procedural Terminology Code	

**Supplemental Table II. Patient Variables & Comorbidities stratified by Time of Death**

	No Death N=16386		Early Death N=899		p value
	N	(%)	N	(%)	
<b>Patient Characteristics</b>					
Female Gender	8782	53.59	519	57.73	0.015
Age 65-80	5352	32.66	377	41.94	<0.001
Age ≥ 80	2892	17.65	268	29.81	<0.001
White Race	11961	73.00	691	76.86	0.011
Black Race	1714	10.46	91	10.12	0.747
Not White or Black Race	2711	16.54	117	13.01	0.005
<b>Comorbidities</b>					
Smoker	3382	20.64	203	22.58	0.162
COPD	1557	9.50	172	19.13	<0.001
Ascites	460	2.81	93	10.34	<0.001
ESRD	472	2.88	110	12.24	<0.001
DM	2492	15.21	205	22.80	<0.001
Obese	4755	29.02	268	29.81	0.611
Recent Transfusion*	1341	8.18	116	12.90	<0.001
SIRS	1859	11.35	47	5.23	<0.001
Sepsis	4917	30.01	183	20.36	<0.001
Septic Shock	1607	9.81	539	59.96	<0.001
ASA Class 1-3	11863	72.4	142	15.79	<0.001
ASA 4-5	4523	27.61	757	84.2	<0.001
Ventilated	675	4.12	333	37.04	<0.001
COPD, Chronic Obstructive Pulmonary Disease; ESRD, End Stage Renal Disease; DM, Diabetes Mellitus; SIRS, Systemic Inflammatory Response Syndrome; ASA, American Society of Anesthesiologists Physical Status Classification System; * Transfusion >4 units PRBCs in 72 hours before surgery					

**Supplemental Table III. Patient Operative and Postoperative Characteristics Stratified by Time of Death**

	No Death N=16386		Early Death N=899		p value
	N	(%)	N	(%)	
<b>Postoperative Complications</b>					
Wound Complication	3251	19.84	22	2.45	<0.001
Cardiac Complication	341	2.08	237	26.36	<0.001
Respiratory Complication	3068	18.72	234	26.03	<0.001
Bleeding Complication	3703	22.60	493	54.84	<0.001
Neurologic Complication	90	0.55	10	1.11	0.025
Renal Complication	491	3.00	114	12.68	<0.001
UTI	578	3.53	18	2.00	0.015
Sepsis Complication	4087	24.94	565	62.85	<0.001
VTE	674	4.11	7	0.78	<0.001
PE	198	1.21	5	0.56	0.077
DVT	524	3.20	2	0.22	<0.001
Reoperation	1521	9.28	40	4.45	<0.001
UTI, Urinary Tract Infection; Venous Thromboembolism (DVT or PE); PE, Pulmonary Embolism; DVT, Deep Vein Thrombosis					

<b>Supplemental Table IV. Patient Variables &amp; Comorbidities stratified by Time of Death</b>					
	<b>Early Death N=899</b>		<b>Late Death N=1518</b>		<b>p value</b>
	<b>N</b>	<b>(%)</b>	<b>N</b>	<b>(%)</b>	
<b>Patient Characteristics</b>					
Female Gender	519	57.73	804	52.96	0.023
Age 65-80	377	41.94	619	40.78	0.001
Age ≥ 80	268	29.81	549	36.17	0.001
White Race	691	76.86	1179	77.67	0.648
Black Race	91	10.12	120	7.91	0.062
Not White or Black Race	117	13.01	219	14.43	0.332
<b>Comorbidities</b>					
Smoker	203	22.58	305	20.09	0.146
COPD	172	19.13	395	26.02	0.001
Ascites	93	10.34	138	9.09	0.311
ESRD	110	12.24	123	8.10	0.001
DM	205	22.80	340	22.40	0.818
Obese	268	29.81	408	26.88	0.120
Recent Transfusion*	116	12.90	207	13.64	0.609
SIRS	47	5.23	133	8.76	<0.001
Sepsis	183	20.36	479	31.55	<0.001
Septic Shock	539	59.96	564	37.15	<0.001
ASA Class 1-3	142	15.79	403	26.55	<0.001
ASA 4-5	757	84.2	1115	73.45	<0.001
Ventilated	333	37.04	307	20.22	<0.001
COPD, Chronic Obstructive Pulmonary Disease; ESRD, End Stage Renal Disease; DM, Diabetes Mellitus; SIRS, Systemic Inflammatory Response Syndrome; ASA, American Society of Anesthesiologists Physical Status Classification System; * Transfusion >4 units PRBCs in 72 hours before surgery					

<b>Supplemental Table V. Patient Operative and Postoperative Characteristics Stratified by Time of Death</b>					
	<b>Early Death N=899</b>		<b>Late Death N=1518</b>		<b>p value</b>
	<b>N</b>	<b>(%)</b>	<b>N</b>	<b>(%)</b>	
<b>Postoperative Complications</b>					
Wound Complication	22	2.45	292	19.24	<0.001
Cardiac Complication	237	26.36	269	17.72	<0.001
Respiratory Complication	234	26.03	1099	72.40	<0.001
Bleeding Complication	493	54.84	779	51.32	0.094
Neurologic Complication	10	1.11	63	4.15	<0.001
Renal Complication	114	12.68	247	16.27	0.017
UTI	18	2.00	69	4.55	0.001
Sepsis Complication	565	62.85	926	61.00	0.367
VTE	7	0.78	101	6.65	<0.001
PE	5	0.56	27	1.78	0.011
DVT	2	0.22	82	5.40	<0.001
Reoperation	40	4.45	255	16.80	<0.001
UTI, Urinary Tract Infection; Venous Thromboembolism (DVT or PE); PE, Pulmonary Embolism; DVT, Deep Vein Thrombosis					

<b>Supplemental Table VI. Patient Variables &amp; Comorbidities stratified by Time of Death</b>					
	<b>No Death N=16386</b>		<b>Late Death N=1518</b>		<b>p value</b>
	<b>N</b>	<b>(%)</b>	<b>N</b>	<b>(%)</b>	
<b>Patient Characteristics</b>					
Female Gender	8782	53.59	804	52.96	0.638
Age 65-80	5352	32.66	619	40.78	<0.001
Age ≥ 80	2892	17.65	549	36.17	<0.001
White Race	11961	73.00	1179	77.67	<0.001
Black Race	1714	10.46	120	7.91	0.017
Not White or Black Race	2711	16.54	219	14.43	0.033
<b>Comorbidities</b>					
Smoker	3382	20.64	305	20.09	0.614
COPD	1557	9.50	395	26.02	<0.001
Ascites	460	2.81	138	9.09	<0.001
ESRD	472	2.88	123	8.10	<0.001
DM	2492	15.21	340	22.40	<0.001
Obese	4755	29.02	408	26.88	0.078
Recent Transfusion*	1341	8.18	207	13.64	<0.001
SIRS	1859	11.35	133	8.76	<0.001
Sepsis	4917	30.01	479	31.55	<0.001
Septic Shock	1607	9.81	564	37.15	<0.001
ASA Class 1-3	11863	72.4	403	26.55	<0.001
ASA 4-5	4523	27.61	1115	73.45	<0.001
Ventilated	675	4.12	307	20.22	<0.001
COPD, Chronic Obstructive Pulmonary Disease; ESRD, End Stage Renal Disease; DM, Diabetes Mellitus; SIRS, Systemic Inflammatory Response Syndrome; ASA, American Society of Anesthesiologists Physical Status Classification System; * Transfusion >4 units PRBCs in 72 hours before surgery					

<b>Supplemental Table VII. Patient Operative and Postoperative Characteristics Stratified by Time of Death</b>					
	<b>No Death N=16386</b>		<b>Late Death N=1518</b>		<b>p value</b>
	<b>N</b>	<b>(%)</b>	<b>N</b>	<b>(%)</b>	
<b>Postoperative Complications</b>					
Wound Complication	3251	19.84	292	19.24	0.572
Cardiac Complication	341	2.08	269	17.72	<0.001
Respiratory Complication	3068	18.72	1099	72.40	<0.001
Bleeding Complication	3703	22.60	779	51.32	<0.001
Neurologic Complication	90	0.55	63	4.15	<0.001
Renal Complication	491	3.00	247	16.27	0.042
UTI	578	3.53	69	4.55	0.005
Sepsis Complication	4087	24.94	926	61.00	<0.001
VTE	674	4.11	101	6.65	<0.001
PE	198	1.21	27	1.78	0.056
DVT	524	3.20	82	5.40	<0.001
Reoperation	1521	9.28	255	16.80	<0.001
UTI, Urinary Tract Infection; Venous Thromboembolism (DVT or PE); PE, Pulmonary Embolism; DVT, Deep Vein Thrombosis					