

Data Dictionary Codebook

05/30/2024 9:39am

	#	Variable / Field Name	Field Label <i>Field Note</i>	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)																
Instrument: Demographics (demographics)																				
	1	[<i>record_id</i>]	Subject study ID	text																
	2	[<i>age</i>]	Age:	text, Required, Identifier																
	3	[<i>sex</i>]	Gender:	radio, Required, Identifier <table><tr><td>1</td><td>1) Male</td></tr><tr><td>2</td><td>2) Female</td></tr><tr><td>3</td><td>3) Other</td></tr></table>	1	1) Male	2	2) Female	3	3) Other										
1	1) Male																			
2	2) Female																			
3	3) Other																			
	4	[<i>ethnicity</i>]	Ethnicity:	radio, Required, Identifier <table><tr><td>1</td><td>1) Not Hispanic or Latino</td></tr><tr><td>2</td><td>2) Hispanic or Latino</td></tr><tr><td>3</td><td>3) Not recorded/ Unknown</td></tr></table>	1	1) Not Hispanic or Latino	2	2) Hispanic or Latino	3	3) Not recorded/ Unknown										
1	1) Not Hispanic or Latino																			
2	2) Hispanic or Latino																			
3	3) Not recorded/ Unknown																			
	5	[<i>race</i>]	Race:	radio, Required, Identifier <table><tr><td>1</td><td>1) White</td></tr><tr><td>2</td><td>2) Black or African American</td></tr><tr><td>3</td><td>3) American Indian</td></tr><tr><td>4</td><td>4) Asian</td></tr><tr><td>5</td><td>5) Native Hawaiian or Other Pacific Islander</td></tr><tr><td>6</td><td>6) Other</td></tr><tr><td>7</td><td>7) Multiracial</td></tr><tr><td>8</td><td>8) Unknown</td></tr></table>	1	1) White	2	2) Black or African American	3	3) American Indian	4	4) Asian	5	5) Native Hawaiian or Other Pacific Islander	6	6) Other	7	7) Multiracial	8	8) Unknown
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6	6) Other																			
7	7) Multiracial																			
8	8) Unknown																			
	6	[<i>weight</i>]	Weight (kg):	text (number_1dp), Required																
	7	[<i>height</i>]	Height (cm):	text (number_1dp)																
	8	[<i>bmi</i>]	Body mass index:	calc Calculation: round(((<i>weight</i>)*10000)/(((<i>height</i>)^(2)), 1)																
	9	[<i>insurance</i>]	Insurance status:	radio, Required <table><tr><td>1</td><td>1) Uninsured</td></tr><tr><td>2</td><td>2) Private insurance</td></tr><tr><td>3</td><td>3) Medicare</td></tr><tr><td>4</td><td>4) Medicaid</td></tr></table>	1	1) Uninsured	2	2) Private insurance	3	3) Medicare	4	4) Medicaid								
1	1) Uninsured																			
2	2) Private insurance																			
3	3) Medicare																			
4	4) Medicaid																			
	10	[<i>tobacco</i>]	Tobacco use:	radio, Required <table><tr><td>1</td><td>1) Never</td></tr><tr><td>2</td><td>2) Former</td></tr></table>	1	1) Never	2	2) Former												
1	1) Never																			
2	2) Former																			

				<table><tr><td>3</td><td>3) Current</td></tr></table>	3	3) Current																												
3	3) Current																																	
11	[former_pack_year] Show the field ONLY if: [tobacco] = '2'	Former pack-year history: <i>(# of cigarettes per day/20 cigarettes per pack) x (# of years)</i>	text																															
12	[current_packs] Show the field ONLY if: [tobacco] = '3'	Current packs per day: <i>(# of cigarettes per day / 20)</i>	radio <table><tr><td>1</td><td>1) < 1</td></tr><tr><td>2</td><td>2) 1</td></tr><tr><td>3</td><td>3) 2</td></tr><tr><td>4</td><td>4) >2</td></tr></table>		1	1) < 1	2	2) 1	3	3) 2	4	4) >2																						
1	1) < 1																																	
2	2) 1																																	
3	3) 2																																	
4	4) >2																																	
13	[smoker_years] Show the field ONLY if: [tobacco]='3'	Number of years as a smoker:	radio <table><tr><td>1</td><td>1) < 1</td></tr><tr><td>2</td><td>2) 1</td></tr><tr><td>3</td><td>3) 2</td></tr><tr><td>4</td><td>4) 3</td></tr><tr><td>5</td><td>5) 4</td></tr><tr><td>6</td><td>6) 5</td></tr><tr><td>7</td><td>7) 6</td></tr><tr><td>8</td><td>8) 7</td></tr><tr><td>9</td><td>9) 8</td></tr><tr><td>10</td><td>10) 9</td></tr><tr><td>11</td><td>11) 10</td></tr><tr><td>12</td><td>12) >10</td></tr></table>		1	1) < 1	2	2) 1	3	3) 2	4	4) 3	5	5) 4	6	6) 5	7	7) 6	8	8) 7	9	9) 8	10	10) 9	11	11) 10	12	12) >10						
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8	8) 7																																	
9	9) 8																																	
10	10) 9																																	
11	11) 10																																	
12	12) >10																																	
14	[cci]	Charlson Comorbidity Index:	checkbox, Required, Identifier <table><tr><td>1</td><td>cci__1</td><td>1) Myocardial infarction (1 point)</td></tr><tr><td>2</td><td>cci__2</td><td>2) Congestive heart failure (1 point)</td></tr><tr><td>3</td><td>cci__3</td><td>3) Peripheral Vascular Disease (1 point)</td></tr><tr><td>4</td><td>cci__4</td><td>4) Cerebrovascular disease (1 point)</td></tr><tr><td>5</td><td>cci__5</td><td>5) Dementia (1 point)</td></tr><tr><td>6</td><td>cci__6</td><td>6) Chronic pulmonary disease (1 point)</td></tr><tr><td>7</td><td>cci__7</td><td>7) Rheumatologic disease (1 point)</td></tr><tr><td>8</td><td>cci__8</td><td>8) Peptic ulcer disease (1 point)</td></tr><tr><td>9</td><td>cci__9</td><td>9) Mild liver disease (1 point)</td></tr><tr><td>10</td><td>cci__10</td><td>10) Moderate to severe liver disease (3 points)</td></tr></table>		1	cci__1	1) Myocardial infarction (1 point)	2	cci__2	2) Congestive heart failure (1 point)	3	cci__3	3) Peripheral Vascular Disease (1 point)	4	cci__4	4) Cerebrovascular disease (1 point)	5	cci__5	5) Dementia (1 point)	6	cci__6	6) Chronic pulmonary disease (1 point)	7	cci__7	7) Rheumatologic disease (1 point)	8	cci__8	8) Peptic ulcer disease (1 point)	9	cci__9	9) Mild liver disease (1 point)	10	cci__10	10) Moderate to severe liver disease (3 points)
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				<table border="1"> <tr><td>11</td><td>cci__11</td><td>11) Diabetes without chronic complications (1 point)</td></tr> <tr><td>12</td><td>cci__12</td><td>12) Diabetes with chronic complications (2 points)</td></tr> <tr><td>13</td><td>cci__13</td><td>13) Hemiplegia or paraplegia (2 points)</td></tr> <tr><td>14</td><td>cci__14</td><td>14) Moderate to severe CKD (2 points)</td></tr> <tr><td>15</td><td>cci__15</td><td>15) Leukemia (2 points)</td></tr> <tr><td>16</td><td>cci__16</td><td>16) Lymphoma (2 points)</td></tr> <tr><td>17</td><td>cci__17</td><td>17) Localized solid tumor (2 points)</td></tr> <tr><td>18</td><td>cci__18</td><td>18) Metastatic Solid tumor (6 points)</td></tr> <tr><td>19</td><td>cci__19</td><td>19) AIDS/HIV (6 points)</td></tr> <tr><td>20</td><td>cci__20</td><td>20) Coronary Artery Disease (1 point)</td></tr> </table>	11	cci__11	11) Diabetes without chronic complications (1 point)	12	cci__12	12) Diabetes with chronic complications (2 points)	13	cci__13	13) Hemiplegia or paraplegia (2 points)	14	cci__14	14) Moderate to severe CKD (2 points)	15	cci__15	15) Leukemia (2 points)	16	cci__16	16) Lymphoma (2 points)	17	cci__17	17) Localized solid tumor (2 points)	18	cci__18	18) Metastatic Solid tumor (6 points)	19	cci__19	19) AIDS/HIV (6 points)	20	cci__20	20) Coronary Artery Disease (1 point)
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	15	[cci_sum]	CCI total from above: <i>subtotal before including age points</i>	text (number), Required																														
	16	[cci_totalscore]	CCI score with age (add 1 point for 50-59 years, 2 points 60-69 years, 3 points 70-79 years and 4 points 80 years or older):	text, Required																														
	17	[demographics_complete]	Section Header: <i>Form Status</i> Complete?	dropdown <table border="1"> <tr><td>0</td><td>Incomplete</td></tr> <tr><td>1</td><td>Unverified</td></tr> <tr><td>2</td><td>Complete</td></tr> </table>	0	Incomplete	1	Unverified	2	Complete																								
0	Incomplete																																	
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2	Complete																																	
Instrument: Admission (admission)																																		
	18	[gcs]	ED GCS:	radio, Required <table border="1"> <tr><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td></tr> <tr><td>10</td><td>10</td></tr> <tr><td>11</td><td>11</td></tr> <tr><td>12</td><td>12</td></tr> <tr><td>13</td><td>13</td></tr> <tr><td>14</td><td>14</td></tr> <tr><td>15</td><td>15</td></tr> </table>	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15				
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19	[sbp]	Initial SBP <i>First Systolic Blood Pressure recorded upon admission</i>	text, Required				
20	[hr]	Initial HR <i>First Heart rate recorded upon admission</i>	text, Required				
21	[wbc]	Section Header: LAB VALUES (before surgery) Hematology WBC <i>10*3/uL- First WBC upon admission.</i>	text (number), Required				
22	[hgb]	Hemoglobin <i>g/dL- First HGB upon admission</i>	text (number), Required				
23	[hematocrit]	Hematocrit <i>%- First hematocrit upon admission</i>	text (number, Min: 0, Max: 100), Required				
24	[plt]	Platelet Count <i>10*3/uL- First plt upon admission</i>	text (number), Required				
25	[sodium]	Section Header: Chemistry Sodium <i>mmol/L- First Sodium upon admission</i>	text (number), Required				
26	[potassium]	Potassium <i>mmol/L- First potassium upon admission</i>	text (number), Required				
27	[chloride]	Chloride <i>mmol/L- First Chloride upon admission</i>	text (number), Required				
28	[co2]	CO2 <i>mmol/L- First CO2 upon admission</i>	text (number), Required				
29	[glucose]	Glucose <i>mg/dL- First glucose upon admission</i>	text (number), Required				
30	[bun]	Blood Urea Nitrogen <i>mg/dL- First BUN upon admission</i>	text (number), Required				
31	[creatinine]	Creatinine <i>mg/dL- First Creatinine upon admission</i>	text (number), Required				
32	[bili]	Direct Bilirubin <i>mg/dL- First direct Bilirubin before surgery</i>	text				
33	[bilirubin]	Bilirubin Total <i>mg/dL- First Bilirubin upon admission</i>	text (number_1dp)				
34	[alkphos]	Alkaline Phosphatase <i>U/L- First Alk phos upon admission</i>	text (number)				
35	[alt]	Alanine Aminotransferase <i>U/L- First ALT upon admission</i>	text				
36	[ast]	Aspartate Aminotransferase <i>U/L- First AST upon admission</i>	text (number)				
37	[phosphorus]	Phosphorus <i>mg/dL- First phosphorus upon admission.</i>	text (number)				
38	[mg]	Magnesium <i>mg/dL- First Magnesium upon admission</i>	text (number)				
39	[bloodgases]	Section Header: Blood gases Blood Gases collected from:	radio <table><tr><td>1</td><td>1) Arterial</td></tr><tr><td>2</td><td>2) Venous</td></tr></table>	1	1) Arterial	2	2) Venous
1	1) Arterial						
2	2) Venous						
40	[ph]	pH, Blood Gas	text				
41	[po2]	PO2 <i>mm Hg</i>	text				
42	[pco2]	pCO2	text				

			mm Hg																					
	43	[lactate]	Lactate <i>mmol/L- from blood gas or separate</i>	text																				
	44	[bicarb]	HCO3 <i>mmol/L</i>	text																				
	45	[admission_complete]	Section Header: <i>Form Status</i> Complete?	dropdown <table border="1"> <tr><td>0</td><td>Incomplete</td></tr> <tr><td>1</td><td>Unverified</td></tr> <tr><td>2</td><td>Complete</td></tr> </table>	0	Incomplete	1	Unverified	2	Complete														
0	Incomplete																							
1	Unverified																							
2	Complete																							
Instrument: Operation (operation)																								
	46	[acs]	ACS type	radio, Required <table border="1"> <tr><td>1</td><td>Trauma acute</td></tr> <tr><td>2</td><td>EGS acute/ sub-acute</td></tr> <tr><td>3</td><td>Sequela</td></tr> </table>	1	Trauma acute	2	EGS acute/ sub-acute	3	Sequela														
1	Trauma acute																							
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3	Sequela																							
	47	[acuity]	Acuity: <i>-Emergent: in ED, admitted, & had surgery in their hospital stay within 24hrs -Urgent: in ED, admitted, & had surgery in their hospital stay but after 24hrs -Elective: non-emergent cases that were referred to general surgeons by PCP or planned for a while / no specific timeline / not within 24hrs or within a month -Sub Acute: any patients who has been seen in ED or Urgent Care & eventually had surgery at some other time (e.g. seen in January but surgery wasn't until march/months later)</i>	radio, Required <table border="1"> <tr><td>1</td><td>Emergent</td></tr> <tr><td>2</td><td>Urgent</td></tr> <tr><td>3</td><td>Elective</td></tr> <tr><td>4</td><td>Sub-acute</td></tr> </table>	1	Emergent	2	Urgent	3	Elective	4	Sub-acute												
1	Emergent																							
2	Urgent																							
3	Elective																							
4	Sub-acute																							
	48	[mechinj] Show the field ONLY if: [acs]= 1	Mechanism of Injury:	radio, Required <table border="1"> <tr><td>1</td><td>ATV</td></tr> <tr><td>2</td><td>Motor Vehicle Collision</td></tr> <tr><td>3</td><td>Auto vs Pedestrian</td></tr> <tr><td>4</td><td>Auto vs Bicycle</td></tr> <tr><td>5</td><td>Motorcycle Collision</td></tr> <tr><td>6</td><td>Fall</td></tr> <tr><td>7</td><td>Assault</td></tr> <tr><td>8</td><td>Stab</td></tr> <tr><td>9</td><td>Gunshot</td></tr> <tr><td>10</td><td>Sports injury</td></tr> </table>	1	ATV	2	Motor Vehicle Collision	3	Auto vs Pedestrian	4	Auto vs Bicycle	5	Motorcycle Collision	6	Fall	7	Assault	8	Stab	9	Gunshot	10	Sports injury
1	ATV																							
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	49	[iss] Show the field ONLY if: [acs]= 1	Check the following body regions with injury score:	checkbox, Required <table border="1"> <tr><td>1</td><td>iss__1</td><td>1) Head/Neck</td></tr> <tr><td>2</td><td>iss__2</td><td>2) Chest</td></tr> <tr><td>3</td><td>iss__3</td><td>3) Abdominal and Pelvic Content</td></tr> <tr><td>4</td><td>iss__4</td><td>4) Extremities and Pelvic Girdle</td></tr> <tr><td>5</td><td>iss__5</td><td>5) Face</td></tr> <tr><td>6</td><td>iss__6</td><td>6) External</td></tr> </table>	1	iss__1	1) Head/Neck	2	iss__2	2) Chest	3	iss__3	3) Abdominal and Pelvic Content	4	iss__4	4) Extremities and Pelvic Girdle	5	iss__5	5) Face	6	iss__6	6) External		
1	iss__1	1) Head/Neck																						
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4	iss__4	4) Extremities and Pelvic Girdle																						
5	iss__5	5) Face																						
6	iss__6	6) External																						
	50	[ais_head_neck]	Highest AIS for Head/Neck:	radio, Required																				

		Show the field ONLY if: [iss(1)] = '1'		<table><tr><td>1</td><td>1. Minor</td></tr><tr><td>2</td><td>2. Moderate</td></tr><tr><td>3</td><td>3. Serious</td></tr><tr><td>4</td><td>4. Severe</td></tr><tr><td>5</td><td>5. Critical</td></tr><tr><td>6</td><td>6. Maximal</td></tr></table>	1	1. Minor	2	2. Moderate	3	3. Serious	4	4. Severe	5	5. Critical	6	6. Maximal
1	1. Minor															
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4	4. Severe															
5	5. Critical															
6	6. Maximal															
	51	[ais_chest] Show the field ONLY if: [iss(2)] = '1'	Highest AIS Chest:	radio, Required <table><tr><td>1</td><td>1. Minor</td></tr><tr><td>2</td><td>2. Moderate</td></tr><tr><td>3</td><td>3. Serious</td></tr><tr><td>4</td><td>4. Severe</td></tr><tr><td>5</td><td>5. Critical</td></tr><tr><td>6</td><td>6. Maximal</td></tr></table>	1	1. Minor	2	2. Moderate	3	3. Serious	4	4. Severe	5	5. Critical	6	6. Maximal
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	52	[ais_abd_pelv] Show the field ONLY if: [iss(3)] = '1'	Highest AIS Abdominal and Pelvic Content:	radio, Required <table><tr><td>1</td><td>1. Minor</td></tr><tr><td>2</td><td>2. Moderate</td></tr><tr><td>3</td><td>3. Serious</td></tr><tr><td>4</td><td>4. Severe</td></tr><tr><td>5</td><td>5. Critical</td></tr><tr><td>6</td><td>6. Maximal</td></tr></table>	1	1. Minor	2	2. Moderate	3	3. Serious	4	4. Severe	5	5. Critical	6	6. Maximal
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4	4. Severe															
5	5. Critical															
6	6. Maximal															
	53	[ais_ex_pelv] Show the field ONLY if: [iss(4)] = '1'	Highest AIS Extremities and Pelvic Girdle:	radio, Required <table><tr><td>1</td><td>1. Minor</td></tr><tr><td>2</td><td>2. Moderate</td></tr><tr><td>3</td><td>3. Serious</td></tr><tr><td>4</td><td>4. Severe</td></tr><tr><td>5</td><td>5. Critical</td></tr><tr><td>6</td><td>6. Maximal</td></tr></table>	1	1. Minor	2	2. Moderate	3	3. Serious	4	4. Severe	5	5. Critical	6	6. Maximal
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3	3. Serious															
4	4. Severe															
5	5. Critical															
6	6. Maximal															
	54	[ais_face] Show the field ONLY if: [iss(5)] = '1'	Highest AIS Face:	radio, Required <table><tr><td>1</td><td>1. Minor</td></tr><tr><td>2</td><td>2. Moderate</td></tr><tr><td>3</td><td>3. Serious</td></tr><tr><td>4</td><td>4. Severe</td></tr><tr><td>5</td><td>5. Critical</td></tr><tr><td>6</td><td>6. Maximal</td></tr></table>	1	1. Minor	2	2. Moderate	3	3. Serious	4	4. Severe	5	5. Critical	6	6. Maximal
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	55	[ais_ext] Show the field ONLY if: [iss(6)] = '1'	Highest AIS External:	radio, Required <table><tr><td>1</td><td>1. Minor</td></tr><tr><td>2</td><td>2. Moderate</td></tr><tr><td>3</td><td>3. Serious</td></tr><tr><td>4</td><td>4. Severe</td></tr></table>	1	1. Minor	2	2. Moderate	3	3. Serious	4	4. Severe				
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				<table><tr><td>5</td><td>5. Critical</td></tr><tr><td>6</td><td>6. Maximal</td></tr></table>	5	5. Critical	6	6. Maximal																																
5	5. Critical																																							
6	6. Maximal																																							
56	[procedures]	Procedure:	<div>checkbox, Required</div> <table><tr><td>1</td><td>procedures__1</td><td>Cholecystectomy</td></tr><tr><td>2</td><td>procedures__2</td><td>Appendectomy</td></tr><tr><td>3</td><td>procedures__3</td><td>Adhesiolysis</td></tr><tr><td>4</td><td>procedures__4</td><td>Small bowel resection</td></tr><tr><td>5</td><td>procedures__5</td><td>Colectomy</td></tr><tr><td>6</td><td>procedures__6</td><td>Ileostomy reversal</td></tr><tr><td>7</td><td>procedures__7</td><td>Colostomy reversal</td></tr><tr><td>8</td><td>procedures__8</td><td>Peptic Duodenal Ulcer Repair</td></tr><tr><td>9</td><td>procedures__9</td><td>Inguinal Hernia Repair</td></tr><tr><td>10</td><td>procedures__10</td><td>Umbilical hernia Repair</td></tr><tr><td>11</td><td>procedures__11</td><td>Ventral hernia repair</td></tr><tr><td>12</td><td>procedures__12</td><td>Other</td></tr></table>		1	procedures__1	Cholecystectomy	2	procedures__2	Appendectomy	3	procedures__3	Adhesiolysis	4	procedures__4	Small bowel resection	5	procedures__5	Colectomy	6	procedures__6	Ileostomy reversal	7	procedures__7	Colostomy reversal	8	procedures__8	Peptic Duodenal Ulcer Repair	9	procedures__9	Inguinal Hernia Repair	10	procedures__10	Umbilical hernia Repair	11	procedures__11	Ventral hernia repair	12	procedures__12	Other
1	procedures__1	Cholecystectomy																																						
2	procedures__2	Appendectomy																																						
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4	procedures__4	Small bowel resection																																						
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6	procedures__6	Ileostomy reversal																																						
7	procedures__7	Colostomy reversal																																						
8	procedures__8	Peptic Duodenal Ulcer Repair																																						
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10	procedures__10	Umbilical hernia Repair																																						
11	procedures__11	Ventral hernia repair																																						
12	procedures__12	Other																																						
57	[ig_her_rep] Show the field ONLY if: [procedures(9)] = '1'	Inguinal hernia repair:	<div>checkbox, Required</div> <table><tr><td>1</td><td>ig_her_rep__1</td><td>Transabdominal pre-peritoneal APP</td></tr><tr><td>2</td><td>ig_her_rep__2</td><td>Total Extraperitoneal</td></tr><tr><td>3</td><td>ig_her_rep__3</td><td>Lichtenstein</td></tr></table>		1	ig_her_rep__1	Transabdominal pre-peritoneal APP	2	ig_her_rep__2	Total Extraperitoneal	3	ig_her_rep__3	Lichtenstein																											
1	ig_her_rep__1	Transabdominal pre-peritoneal APP																																						
2	ig_her_rep__2	Total Extraperitoneal																																						
3	ig_her_rep__3	Lichtenstein																																						
58	[other_surg_type] Show the field ONLY if: [procedures(12)] = '1'	Other surgery type:	text, Required																																					
59	[operative_type]	Operative type:	<div>checkbox, Required</div> <table><tr><td>1</td><td>operative_type__1</td><td>Laparoscopic</td></tr><tr><td>2</td><td>operative_type__2</td><td>Robotic</td></tr><tr><td>3</td><td>operative_type__3</td><td>Robotic Converted to Laparoscopy</td></tr><tr><td>4</td><td>operative_type__4</td><td>Robotic Converted to Open</td></tr><tr><td>5</td><td>operative_type__5</td><td>Laparoscopic Converted to Open</td></tr></table>		1	operative_type__1	Laparoscopic	2	operative_type__2	Robotic	3	operative_type__3	Robotic Converted to Laparoscopy	4	operative_type__4	Robotic Converted to Open	5	operative_type__5	Laparoscopic Converted to Open																					
1	operative_type__1	Laparoscopic																																						
2	operative_type__2	Robotic																																						
3	operative_type__3	Robotic Converted to Laparoscopy																																						
4	operative_type__4	Robotic Converted to Open																																						
5	operative_type__5	Laparoscopic Converted to Open																																						
60	[operative_time]	Duration of operation <i>incision time- closure time</i>	text (time), Required																																					
61	[wound_class]	Wound Class:	checkbox, Required																																					

		Show the field ONLY if: [procedures(1)] = '1'	<i>please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883</i>	<table><tr><td>1</td><td>wound_class__1</td><td>Class I- Clean</td></tr><tr><td>2</td><td>wound_class__2</td><td>Class II- Clean-Contaminated</td></tr><tr><td>3</td><td>wound_class__3</td><td>Class III- Contaminated</td></tr><tr><td>4</td><td>wound_class__4</td><td>Class IV- Dirty Infected</td></tr></table>	1	wound_class__1	Class I- Clean	2	wound_class__2	Class II- Clean-Contaminated	3	wound_class__3	Class III- Contaminated	4	wound_class__4	Class IV- Dirty Infected
1	wound_class__1	Class I- Clean														
2	wound_class__2	Class II- Clean-Contaminated														
3	wound_class__3	Class III- Contaminated														
4	wound_class__4	Class IV- Dirty Infected														
62	[wound_class_6]	Show the field ONLY if: [procedures(2)] = '1'	Wound Class: <i>please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883</i>	checkbox, Required <table><tr><td>1</td><td>wound_class_6__1</td><td>Class I- Clean</td></tr><tr><td>2</td><td>wound_class_6__2</td><td>Class II- Clean-Contaminated</td></tr><tr><td>3</td><td>wound_class_6__3</td><td>Class III- Contaminated</td></tr><tr><td>4</td><td>wound_class_6__4</td><td>Class IV- Dirty Infected</td></tr></table>	1	wound_class_6__1	Class I- Clean	2	wound_class_6__2	Class II- Clean-Contaminated	3	wound_class_6__3	Class III- Contaminated	4	wound_class_6__4	Class IV- Dirty Infected
1	wound_class_6__1	Class I- Clean														
2	wound_class_6__2	Class II- Clean-Contaminated														
3	wound_class_6__3	Class III- Contaminated														
4	wound_class_6__4	Class IV- Dirty Infected														
63	[wound_class_5]	Show the field ONLY if: [procedures(3)] = '1'	Wound Class: <i>please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883</i>	checkbox, Required <table><tr><td>1</td><td>wound_class_5__1</td><td>Class I- Clean</td></tr><tr><td>2</td><td>wound_class_5__2</td><td>Class II- Clean-Contaminated</td></tr><tr><td>3</td><td>wound_class_5__3</td><td>Class III- Contaminated</td></tr><tr><td>4</td><td>wound_class_5__4</td><td>Class IV- Dirty Infected</td></tr></table>	1	wound_class_5__1	Class I- Clean	2	wound_class_5__2	Class II- Clean-Contaminated	3	wound_class_5__3	Class III- Contaminated	4	wound_class_5__4	Class IV- Dirty Infected
1	wound_class_5__1	Class I- Clean														
2	wound_class_5__2	Class II- Clean-Contaminated														
3	wound_class_5__3	Class III- Contaminated														
4	wound_class_5__4	Class IV- Dirty Infected														
64	[wound_class_4]	Show the field ONLY if: [procedures(4)] = '1'	Wound Class: <i>please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883</i>	checkbox, Required <table><tr><td>1</td><td>wound_class_4__1</td><td>Class I- Clean</td></tr><tr><td>2</td><td>wound_class_4__2</td><td>Class II- Clean-Contaminated</td></tr><tr><td>3</td><td>wound_class_4__3</td><td>Class III- Contaminated</td></tr><tr><td>4</td><td>wound_class_4__4</td><td>Class IV- Dirty Infected</td></tr></table>	1	wound_class_4__1	Class I- Clean	2	wound_class_4__2	Class II- Clean-Contaminated	3	wound_class_4__3	Class III- Contaminated	4	wound_class_4__4	Class IV- Dirty Infected
1	wound_class_4__1	Class I- Clean														
2	wound_class_4__2	Class II- Clean-Contaminated														
3	wound_class_4__3	Class III- Contaminated														
4	wound_class_4__4	Class IV- Dirty Infected														
65	[wound_class_3]	Show the field ONLY if: [procedures(5)] = '1'	Wound Class: <i>please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883</i>	checkbox, Required <table><tr><td>1</td><td>wound_class_3__1</td><td>Class I- Clean</td></tr><tr><td>2</td><td>wound_class_3__2</td><td>Class II- Clean-Contaminated</td></tr><tr><td>3</td><td>wound_class_3__3</td><td>Class III- Contaminated</td></tr><tr><td>4</td><td>wound_class_3__4</td><td>Class IV- Dirty Infected</td></tr></table>	1	wound_class_3__1	Class I- Clean	2	wound_class_3__2	Class II- Clean-Contaminated	3	wound_class_3__3	Class III- Contaminated	4	wound_class_3__4	Class IV- Dirty Infected
1	wound_class_3__1	Class I- Clean														
2	wound_class_3__2	Class II- Clean-Contaminated														
3	wound_class_3__3	Class III- Contaminated														
4	wound_class_3__4	Class IV- Dirty Infected														
66	[wound_class_2]	Show the field ONLY if: [procedures(6)] = '1'	Wound Class: <i>please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883</i>	checkbox, Required <table><tr><td>1</td><td>wound_class_2__1</td><td>Class I- Clean</td></tr><tr><td>2</td><td>wound_class_2__2</td><td>Class II- Clean-Contaminated</td></tr><tr><td>3</td><td>wound_class_2__3</td><td>Class III- Contaminated</td></tr></table>	1	wound_class_2__1	Class I- Clean	2	wound_class_2__2	Class II- Clean-Contaminated	3	wound_class_2__3	Class III- Contaminated			
1	wound_class_2__1	Class I- Clean														
2	wound_class_2__2	Class II- Clean-Contaminated														
3	wound_class_2__3	Class III- Contaminated														

				4	wound_class_2__4	Class IV- Dirty Infected
	67	[wound_class_8] Show the field ONLY if: [procedures(7)] = '1'	Wound Class: please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883	checkbox, Required		
				1	wound_class_8__1	Class I- Clean
				2	wound_class_8__2	Class II- Clean-Contaminated
				3	wound_class_8__3	Class III- Contaminated
				4	wound_class_8__4	Class IV- Dirty Infected
	68	[wound_class_7] Show the field ONLY if: [procedures(8)] = '1'	Wound Class: please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883	checkbox, Required		
				1	wound_class_7__1	Class I- Clean
				2	wound_class_7__2	Class II- Clean-Contaminated
				3	wound_class_7__3	Class III- Contaminated
				4	wound_class_7__4	Class IV- Dirty Infected
	69	[wound_class_10] Show the field ONLY if: [procedures(9)] = '1'	Wound Class: please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883	checkbox, Required		
				1	wound_class_10__1	Class I- Clean
				2	wound_class_10__2	Class II- Clean-Contaminated
				3	wound_class_10__3	Class III- Contaminated
				4	wound_class_10__4	Class IV- Dirty Infected
	70	[wound_class_9] Show the field ONLY if: [procedures(10)] = '1'	Wound Class: please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883	checkbox, Required		
				1	wound_class_9__1	Class I- Clean
				2	wound_class_9__2	Class II- Clean-Contaminated
				3	wound_class_9__3	Class III- Contaminated
				4	wound_class_9__4	Class IV- Dirty Infected
	71	[wound_class_12] Show the field ONLY if: [procedures(11)] = '1'	Wound Class: please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883	checkbox, Required		
				1	wound_class_12__1	Class I- Clean
				2	wound_class_12__2	Class II- Clean-Contaminated
				3	wound_class_12__3	Class III- Contaminated
				4	wound_class_12__4	Class IV- Dirty Infected

72	[wound_class_11] Show the field ONLY if: [procedures(12)] = '1'	Wound Class: <i>please find specifics for each class on: https://www.researchgate.net/figure/Surgical-wound-classification-grades-as-defined-by-the-CDC_fig2_344373883</i>	checkbox, Required <table border="1"> <tr> <td>1</td> <td>wound_class_11__1</td> <td>Class I- Clean</td> </tr> <tr> <td>2</td> <td>wound_class_11__2</td> <td>Class II- Clean-Contaminated</td> </tr> <tr> <td>3</td> <td>wound_class_11__3</td> <td>Class III- Contaminated</td> </tr> <tr> <td>4</td> <td>wound_class_11__4</td> <td>Class IV- Dirty Infected</td> </tr> </table>	1	wound_class_11__1	Class I- Clean	2	wound_class_11__2	Class II- Clean-Contaminated	3	wound_class_11__3	Class III- Contaminated	4	wound_class_11__4	Class IV- Dirty Infected															
1	wound_class_11__1	Class I- Clean																												
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3	wound_class_11__3	Class III- Contaminated																												
4	wound_class_11__4	Class IV- Dirty Infected																												
73	[indication_chole] Show the field ONLY if: [procedures(1)] = '1'	Indication for Cholecystectomy:	checkbox, Required <table border="1"> <tr> <td>1</td> <td>indication_chole__1</td> <td>Acute cholecystitis</td> </tr> <tr> <td>2</td> <td>indication_chole__2</td> <td>Choledocholithiasis</td> </tr> <tr> <td>3</td> <td>indication_chole__3</td> <td>Gallstone Pancreatitis</td> </tr> <tr> <td>4</td> <td>indication_chole__4</td> <td>Cholangitis</td> </tr> <tr> <td>5</td> <td>indication_chole__5</td> <td>Gallbladder hydrop</td> </tr> <tr> <td>6</td> <td>indication_chole__6</td> <td>Cholecystodyskines</td> </tr> <tr> <td>7</td> <td>indication_chole__7</td> <td>Chronic Cholecystiti</td> </tr> <tr> <td>8</td> <td>indication_chole__8</td> <td>Trauma</td> </tr> <tr> <td>9</td> <td>indication_chole__9</td> <td>Other</td> </tr> </table>	1	indication_chole__1	Acute cholecystitis	2	indication_chole__2	Choledocholithiasis	3	indication_chole__3	Gallstone Pancreatitis	4	indication_chole__4	Cholangitis	5	indication_chole__5	Gallbladder hydrop	6	indication_chole__6	Cholecystodyskines	7	indication_chole__7	Chronic Cholecystiti	8	indication_chole__8	Trauma	9	indication_chole__9	Other
1	indication_chole__1	Acute cholecystitis																												
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7	indication_chole__7	Chronic Cholecystiti																												
8	indication_chole__8	Trauma																												
9	indication_chole__9	Other																												
74	[other_ind_chole] Show the field ONLY if: [indication_chole(9)] = '1'	Other Indication:	text																											
75	[aast] Show the field ONLY if: [procedures(1)] = '1'	AAST severity grade Cholecystectomy: <i>Please find grade for specific diagnosis on: https://www.aast.org/resources-detail/egs. Please pick highest AAST grade if multiple indications.</i>	radio, Required <table border="1"> <tr> <td>1</td> <td>I</td> </tr> <tr> <td>2</td> <td>II</td> </tr> <tr> <td>3</td> <td>III</td> </tr> <tr> <td>4</td> <td>IV</td> </tr> <tr> <td>5</td> <td>V</td> </tr> </table>	1	I	2	II	3	III	4	IV	5	V																	
1	I																													
2	II																													
3	III																													
4	IV																													
5	V																													
76	[subchole] Show the field ONLY if: [procedures(1)] = '1'	Subtotal Cholecystectomy?	yesno, Required <table border="1"> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>0</td> <td>No</td> </tr> </table>	1	Yes	0	No																							
1	Yes																													
0	No																													
77	[sub_chole_type] Show the field ONLY if: [subchole] = '1'	Subtotal type:	radio, Required <table border="1"> <tr> <td>1</td> <td>Fenestrating</td> </tr> <tr> <td>2</td> <td>Reconstituting</td> </tr> </table>	1	Fenestrating	2	Reconstituting																							
1	Fenestrating																													
2	Reconstituting																													
78	[ioc] Show the field ONLY if: [procedures(1)] = '1'	Was IOC used?	yesno, Required <table border="1"> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>0</td> <td>No</td> </tr> </table>	1	Yes	0	No																							
1	Yes																													
0	No																													
79	[firefly] Show the field ONLY if: [procedures(1)] = '1'	Was firefly used?	yesno, Required <table border="1"> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>0</td> <td>No</td> </tr> </table>	1	Yes	0	No																							
1	Yes																													
0	No																													

80	[drain] Show the field ONLY if: [procedures(1)] = '1'	Drain left in place?	yesno, Required 1 Yes 0 No
81	[pre_ercp] Show the field ONLY if: [procedures(1)] = '1'	pre -operative ERCP?	yesno, Required 1 Yes 0 No
82	[post_ercp] Show the field ONLY if: [procedures(1)] = '1'	Post-operative ERCP?	yesno, Required 1 Yes 0 No
83	[bileduct] Show the field ONLY if: [procedures(1)] = '1'	Common bile duct injury?	yesno, Required 1 Yes 0 No
84	[bile_duct_injury_grade] Show the field ONLY if: [bileduct] = '1'	Strasberg classification of bile duct injury: https://radiopaedia.org/articles/strasberg-classification-of-bile-duct-injury-1?lang=us	radio, Required 1 type A: injury to the cystic duct or from minor hepatic ducts draining the liver bed 2 type B: occlusion of the biliary tree, commonly aberrant right hepatic duct(s) 3 type C: transection without ligation of aberrant right hepatic duct(s) 4 type D: lateral injury to a major bile duct 5 type E: injury to the main hepatic duct; classified according to the level of injury
85	[bile_duct_e] Show the field ONLY if: [bile_duct_injury_grade] = '5'	Type E bile duct injury classification: https://radiopaedia.org/articles/strasberg-classification-of-bile-duct-injury-1?lang=us	radio, Required 1 E1 (Bismuth type 1): injury more than 2 cm from the confluence 2 E2 (Bismuth type 2): injury less than 2 cm from the confluence 3 E3 (Bismuth type 3): injury at the confluence; confluence intact 4 E4 (Bismuth type 4): destruction of the biliary confluence 5 E5 (Bismuth type 5): injury to the aberrant right hepatic duct
86	[vasc_injury] Show the field ONLY if: [procedures(1)] = '1'	Vascular injury?	yesno, Required 1 Yes 0 No
87	[bile_leak] Show the field ONLY if: [procedures(1)] = '1'	Bile leak?	yesno, Required 1 Yes 0 No

88	[subhepatic_abcess] Show the field ONLY if: [procedures(1)] = '1'	Subhepatic abscess?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No								
1	Yes														
0	No														
89	[abdom_absc] Show the field ONLY if: [procedures(1)] = '1'	Intraabdominal abscess?	truefalse, Required <table><tr><td>1</td><td>True</td></tr><tr><td>0</td><td>False</td></tr></table>	1	True	0	False								
1	True														
0	False														
90	[indication_app] Show the field ONLY if: [procedures(2)] = '1'	Indication for Appendectomy:	radio, Required <table><tr><td>1</td><td>Acute appendicitis</td></tr><tr><td>2</td><td>Chronic appendicitis</td></tr><tr><td>3</td><td>Interval appendectomy</td></tr><tr><td>4</td><td>Incidental appendectomy</td></tr><tr><td>5</td><td>Trauma</td></tr><tr><td>6</td><td>Other</td></tr></table>	1	Acute appendicitis	2	Chronic appendicitis	3	Interval appendectomy	4	Incidental appendectomy	5	Trauma	6	Other
1	Acute appendicitis														
2	Chronic appendicitis														
3	Interval appendectomy														
4	Incidental appendectomy														
5	Trauma														
6	Other														
91	[other_appy] Show the field ONLY if: [indication_app] = '6'	Other Appendectomy indication:	text, Required												
92	[aast_2] Show the field ONLY if: [procedures(2)] = '1'	AAST severity grade Appendectomy: <i>Please find grade for specific diagnosis on: https://www.aast.org/resources-detail/egs. Please pick highest AAST grade if multiple indications.</i>	radio, Required <table><tr><td>1</td><td>I</td></tr><tr><td>2</td><td>II</td></tr><tr><td>3</td><td>III</td></tr><tr><td>4</td><td>IV</td></tr><tr><td>5</td><td>V</td></tr></table>	1	I	2	II	3	III	4	IV	5	V		
1	I														
2	II														
3	III														
4	IV														
5	V														
93	[perf] Show the field ONLY if: [procedures(2)] = '1'	Perforated?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No								
1	Yes														
0	No														
94	[abscess] Show the field ONLY if: [procedures(2)] = '1'	Abscess?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No								
1	Yes														
0	No														
95	[gang] Show the field ONLY if: [procedures(2)] = '1'	Gangrenous?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No								
1	Yes														
0	No														
96	[transection_type] Show the field ONLY if: [procedures(2)] = '1'	Base transection type:	radio, Required <table><tr><td>1</td><td>Stapled</td></tr><tr><td>2</td><td>Suture</td></tr><tr><td>3</td><td>Endoloop</td></tr><tr><td>4</td><td>Clips</td></tr><tr><td>5</td><td>Inversion</td></tr></table>	1	Stapled	2	Suture	3	Endoloop	4	Clips	5	Inversion		
1	Stapled														
2	Suture														
3	Endoloop														
4	Clips														
5	Inversion														

97	[mesentery_type] Show the field ONLY if: [procedures(2)] = '1'	Mesentery Transaction type:	checkbox, Required <table border="1"> <tr> <td>1</td> <td>mesentery_type__1</td> <td>Monopolar Electrocautery</td> </tr> <tr> <td>2</td> <td>mesentery_type__2</td> <td>Bipolar Electrocautery</td> </tr> <tr> <td>3</td> <td>mesentery_type__3</td> <td>Energy Device</td> </tr> <tr> <td>4</td> <td>mesentery_type__4</td> <td>Stapled</td> </tr> </table>	1	mesentery_type__1	Monopolar Electrocautery	2	mesentery_type__2	Bipolar Electrocautery	3	mesentery_type__3	Energy Device	4	mesentery_type__4	Stapled
1	mesentery_type__1	Monopolar Electrocautery													
2	mesentery_type__2	Bipolar Electrocautery													
3	mesentery_type__3	Energy Device													
4	mesentery_type__4	Stapled													
98	[drain_ap] Show the field ONLY if: [procedures(2)] = '1'	Drain left in place?	yesno, Required <table border="1"> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>0</td> <td>No</td> </tr> </table>	1	Yes	0	No								
1	Yes														
0	No														
99	[ileo] Show the field ONLY if: [procedures(2)] = '1'	Wad Ileocectomy performed?	yesno, Required <table border="1"> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>0</td> <td>No</td> </tr> </table>	1	Yes	0	No								
1	Yes														
0	No														
100	[post_op_abscess_ap] Show the field ONLY if: [procedures(2)] = '1'	Post-operative intra-abdominal abscess?	yesno, Required <table border="1"> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>0</td> <td>No</td> </tr> </table>	1	Yes	0	No								
1	Yes														
0	No														
101	[stump_leak] Show the field ONLY if: [procedures(2)] = '1'	Stump leak?	yesno, Required <table border="1"> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>0</td> <td>No</td> </tr> </table>	1	Yes	0	No								
1	Yes														
0	No														
102	[stump_app] Show the field ONLY if: [procedures(2)] = '1'	Stump appendicitis?	yesno, Required <table border="1"> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>0</td> <td>No</td> </tr> </table>	1	Yes	0	No								
1	Yes														
0	No														
103	[adhesiolysis] Show the field ONLY if: [procedures(3)] = '1'	Indication for Adhesiolysis:	checkbox, Required <table border="1"> <tr> <td>1</td> <td>adhesiolysis__1</td> <td>Acute small bowel obstruction</td> </tr> <tr> <td>2</td> <td>adhesiolysis__2</td> <td>Chronic (recurrent) small bowl obstruction</td> </tr> <tr> <td>3</td> <td>adhesiolysis__3</td> <td>Trauma</td> </tr> <tr> <td>4</td> <td>adhesiolysis__4</td> <td>Other</td> </tr> </table>	1	adhesiolysis__1	Acute small bowel obstruction	2	adhesiolysis__2	Chronic (recurrent) small bowl obstruction	3	adhesiolysis__3	Trauma	4	adhesiolysis__4	Other
1	adhesiolysis__1	Acute small bowel obstruction													
2	adhesiolysis__2	Chronic (recurrent) small bowl obstruction													
3	adhesiolysis__3	Trauma													
4	adhesiolysis__4	Other													
104	[other_adhe] Show the field ONLY if: [adhesiolysis(4)] = '1'	Other Indication:	text, Required												
105	[aast_3] Show the field ONLY if: [procedures(3)] = '1'	AAST severity grade Adhesiolysis: <i>Please find grade for specific diagnosis on: https://www.aast.org/resources-detail/egs. Please pick highest AAST grade if multiple indications. (Intestinal Obstruction Due to Adhesions)</i>	radio, Required <table border="1"> <tr> <td>1</td> <td>I</td> </tr> <tr> <td>2</td> <td>II</td> </tr> <tr> <td>3</td> <td>III</td> </tr> <tr> <td>4</td> <td>IV</td> </tr> <tr> <td>5</td> <td>V</td> </tr> </table>	1	I	2	II	3	III	4	IV	5	V		
1	I														
2	II														
3	III														
4	IV														
5	V														
106	[volvulus] Show the field ONLY if:	Volvulus?	yesno, Required <table border="1"> <tr> <td>1</td> <td>Yes</td> </tr> </table>	1	Yes										
1	Yes														

		[procedures(3)] = '1'		<table><tr><td>0</td><td>No</td></tr></table>	0	No	
0	No						
107	[hernia] Show the field ONLY if: [procedures(3)] = '1'	Internal Hernia?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No
1	Yes						
0	No						
108	[band_adh] Show the field ONLY if: [procedures(3)] = '1'	Band Adhesions?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No
1	Yes						
0	No						
109	[dense_adh] Show the field ONLY if: [procedures(3)] = '1'	Dense Adhesions?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No
1	Yes						
0	No						
110	[serosal_tears] Show the field ONLY if: [procedures(3)] = '1'	Serosal Tears?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No
1	Yes						
0	No						
111	[identified_enterotomy] Show the field ONLY if: [procedures(3)] = '1' or [procedures(4)] = '1' or [procedures(5)] = '1' or [procedures(6)] = '1' or [procedures(7)] = '1' or [procedures(12)] = '1'	Identified Enterotomy?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No
1	Yes						
0	No						
112	[ent] Show the field ONLY if: [procedures(3)] = '1' or [procedures(4)] = '1' or [procedures(5)] = '1' or [procedures(6)] = '1' or [procedures(7)] = '1' or [procedures(12)] = '1'	Enterotomy:	radio, Required <table><tr><td>1</td><td>Repaired</td></tr><tr><td>2</td><td>Resected</td></tr></table>	1	Repaired	2	Resected
1	Repaired						
2	Resected						
113	[missed_enterotomy] Show the field ONLY if: [procedures(3)] = '1' or [procedures(4)] = '1' or [procedures(5)] = '1' or [procedures(6)] = '1' or [procedures(7)] = '1' or [procedures(12)] = '1'	Missed Enterotomy?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No
1	Yes						
0	No						
114	[drain_ap_2] Show the field ONLY if: [procedures(3)] = '1'	Drain left in place?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No
1	Yes						
0	No						
115	[barrier_film] Show the field ONLY if: [procedures(3)] = '1'	Barrier film left in place?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No
1	Yes						
0	No						
116	[ind_sbr]	Indication for Small Bowl Resection:	checkbox, Required				

		Show the field ONLY if: [procedures(4)] = '1'		<table border="1"> <tr><td>1</td><td>ind_sbr__1</td><td>Small bowel obstruction</td></tr> <tr><td>2</td><td>ind_sbr__2</td><td>Mesenteric ischemia</td></tr> <tr><td>3</td><td>ind_sbr__3</td><td>Volvulus or internal hernia</td></tr> <tr><td>4</td><td>ind_sbr__4</td><td>Incarcerated or strangulated hernia</td></tr> <tr><td>5</td><td>ind_sbr__5</td><td>Perforation</td></tr> <tr><td>6</td><td>ind_sbr__6</td><td>Stricture/stenosis</td></tr> <tr><td>7</td><td>ind_sbr__7</td><td>Trauma</td></tr> <tr><td>8</td><td>ind_sbr__8</td><td>Other</td></tr> </table>	1	ind_sbr__1	Small bowel obstruction	2	ind_sbr__2	Mesenteric ischemia	3	ind_sbr__3	Volvulus or internal hernia	4	ind_sbr__4	Incarcerated or strangulated hernia	5	ind_sbr__5	Perforation	6	ind_sbr__6	Stricture/stenosis	7	ind_sbr__7	Trauma	8	ind_sbr__8	Other
1	ind_sbr__1	Small bowel obstruction																										
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5	ind_sbr__5	Perforation																										
6	ind_sbr__6	Stricture/stenosis																										
7	ind_sbr__7	Trauma																										
8	ind_sbr__8	Other																										
	117	[other_sbo] Show the field ONLY if: [ind_sbr(8)] = '1'	Other Indication for Small Bowl Resection:	text, Required																								
	118	[aast_4] Show the field ONLY if: [procedures(4)] = '1'	AAST severity grade Small bowel Resection: <i>Please find grade for specific diagnosis on: https://www.aast.org/resources-detail/egs. Please pick highest AAST grade if multiple indications.</i>	radio, Required <table border="1"> <tr><td>1</td><td>I</td></tr> <tr><td>2</td><td>II</td></tr> <tr><td>3</td><td>III</td></tr> <tr><td>4</td><td>IV</td></tr> <tr><td>5</td><td>V</td></tr> </table>	1	I	2	II	3	III	4	IV	5	V														
1	I																											
2	II																											
3	III																											
4	IV																											
5	V																											
	119	[ab_abscess_sbr] Show the field ONLY if: [procedures(4)] = '1'	Intra-abdominal Abscess?	yesno, Required <table border="1"> <tr><td>1</td><td>Yes</td></tr> <tr><td>0</td><td>No</td></tr> </table>	1	Yes	0	No																				
1	Yes																											
0	No																											
	120	[drain_ap_3] Show the field ONLY if: [procedures(4)] = '1'	Drain left in place?	yesno, Required <table border="1"> <tr><td>1</td><td>Yes</td></tr> <tr><td>0</td><td>No</td></tr> </table>	1	Yes	0	No																				
1	Yes																											
0	No																											
	121	[anastom] Show the field ONLY if: [procedures(4)] = '1' or [procedures(5)] = '1' or [procedures(6)] = '1' or [procedures(7)] = '1'	Anastomosis?	yesno, Required <table border="1"> <tr><td>1</td><td>Yes</td></tr> <tr><td>0</td><td>No</td></tr> </table>	1	Yes	0	No																				
1	Yes																											
0	No																											
	122	[anstomosis_type_col e] Show the field ONLY if: [anastom] = '1'	Anastomosis:	radio <table border="1"> <tr><td>1</td><td>Isoperistaltic</td></tr> <tr><td>2</td><td>Antiperistaltic</td></tr> </table>	1	Isoperistaltic	2	Antiperistaltic																				
1	Isoperistaltic																											
2	Antiperistaltic																											
	123	[anastom_closure] Show the field ONLY if: [anastom] = '1'	Anastomosis Closure type:	radio, Required <table border="1"> <tr><td>1</td><td>Stapled</td></tr> <tr><td>2</td><td>Handsewn</td></tr> <tr><td>3</td><td>Combined</td></tr> </table>	1	Stapled	2	Handsewn	3	Combined																		
1	Stapled																											
2	Handsewn																											
3	Combined																											
	124	[mes_closed] Show the field ONLY if: [anastom] = '1'	Mesentery Closed:	yesno, Required <table border="1"> <tr><td>1</td><td>Yes</td></tr> <tr><td>0</td><td>No</td></tr> </table>	1	Yes	0	No																				
1	Yes																											
0	No																											

125	[mesentery_closed_cool] Show the field ONLY if: [anastom] = '1'	Mesentery Closure type:	radio, Required <table><tr><td>1</td><td colspan="2">Stapled</td></tr><tr><td>2</td><td colspan="2">Handsewn</td></tr><tr><td>3</td><td colspan="2">Combined</td></tr></table>			1	Stapled		2	Handsewn		3	Combined																						
1	Stapled																																		
2	Handsewn																																		
3	Combined																																		
126	[anastom_loc] Show the field ONLY if: [anastom] = '1'	Anastomosis location:	checkbox <table><tr><td>1</td><td>anastom_loc__1</td><td>Extracorporeal</td></tr><tr><td>2</td><td>anastom_loc__2</td><td>Intracorporeal</td></tr></table>			1	anastom_loc__1	Extracorporeal	2	anastom_loc__2	Intracorporeal																								
1	anastom_loc__1	Extracorporeal																																	
2	anastom_loc__2	Intracorporeal																																	
127	[leak_anastomotic] Show the field ONLY if: [anastom] = '1'	Anastomotic leak?	yesno, Required <table><tr><td>1</td><td colspan="2">Yes</td></tr><tr><td>0</td><td colspan="2">No</td></tr></table>			1	Yes		0	No																									
1	Yes																																		
0	No																																		
128	[colectomy_type] Show the field ONLY if: [procedures(5)] = '1'	Colectomy Type:	checkbox, Required <table><tr><td>1</td><td>colectomy_type__1</td><td>Left</td></tr><tr><td>2</td><td>colectomy_type__2</td><td>Sigmoid</td></tr><tr><td>3</td><td>colectomy_type__3</td><td>Right</td></tr><tr><td>4</td><td>colectomy_type__4</td><td>Segmental</td></tr><tr><td>5</td><td>colectomy_type__5</td><td>Total</td></tr></table>			1	colectomy_type__1	Left	2	colectomy_type__2	Sigmoid	3	colectomy_type__3	Right	4	colectomy_type__4	Segmental	5	colectomy_type__5	Total															
1	colectomy_type__1	Left																																	
2	colectomy_type__2	Sigmoid																																	
3	colectomy_type__3	Right																																	
4	colectomy_type__4	Segmental																																	
5	colectomy_type__5	Total																																	
129	[indication_colectomy_ileo] Show the field ONLY if: [procedures(5)] = '1' or [procedures(6)] = '1' or [procedures(7)] = '1'	Indication for Colectomy or ileostomy reversal or Colostomy:	checkbox, Required <table><tr><td>1</td><td>indication_colectomy_ileo__1</td><td>Divertic</td></tr><tr><td>2</td><td>indication_colectomy_ileo__2</td><td>Iatrogen Perfora</td></tr><tr><td>3</td><td>indication_colectomy_ileo__3</td><td>Large b obstruc</td></tr><tr><td>4</td><td>indication_colectomy_ileo__4</td><td>Volvulu:</td></tr><tr><td>5</td><td>indication_colectomy_ileo__5</td><td>Maligna</td></tr><tr><td>6</td><td>indication_colectomy_ileo__6</td><td>Megaco</td></tr><tr><td>7</td><td>indication_colectomy_ileo__7</td><td>Ischemi</td></tr><tr><td>8</td><td>indication_colectomy_ileo__8</td><td>Hemorr</td></tr><tr><td>9</td><td>indication_colectomy_ileo__9</td><td>Inflam bowel disease</td></tr><tr><td>11</td><td>indication_colectomy_ileo__11</td><td>Trauma</td></tr></table>			1	indication_colectomy_ileo__1	Divertic	2	indication_colectomy_ileo__2	Iatrogen Perfora	3	indication_colectomy_ileo__3	Large b obstruc	4	indication_colectomy_ileo__4	Volvulu:	5	indication_colectomy_ileo__5	Maligna	6	indication_colectomy_ileo__6	Megaco	7	indication_colectomy_ileo__7	Ischemi	8	indication_colectomy_ileo__8	Hemorr	9	indication_colectomy_ileo__9	Inflam bowel disease	11	indication_colectomy_ileo__11	Trauma
1	indication_colectomy_ileo__1	Divertic																																	
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3	indication_colectomy_ileo__3	Large b obstruc																																	
4	indication_colectomy_ileo__4	Volvulu:																																	
5	indication_colectomy_ileo__5	Maligna																																	
6	indication_colectomy_ileo__6	Megaco																																	
7	indication_colectomy_ileo__7	Ischemi																																	
8	indication_colectomy_ileo__8	Hemorr																																	
9	indication_colectomy_ileo__9	Inflam bowel disease																																	
11	indication_colectomy_ileo__11	Trauma																																	
130	[hinchey] Show the field ONLY if: [indication_colectomy_ileo(1)] = '1'	Diverticulitis Hinchey Classification:	radio, Required <table><tr><td>1</td><td colspan="2">0: Mild Clinical diverticulitis</td></tr><tr><td>2</td><td colspan="2">Stage Ia: Diverticulitis with confined pericolic inflammation or phlegmon, no fluid collection</td></tr><tr><td>3</td><td colspan="2">Stage Ib: Diverticulitis with confined pericolic abscess</td></tr><tr><td>4</td><td colspan="2">Stage II: Diverticulitis with a distant abscess (this may be pelvic, intraabdominal or retroperitoneal abscess)</td></tr></table>			1	0: Mild Clinical diverticulitis		2	Stage Ia: Diverticulitis with confined pericolic inflammation or phlegmon, no fluid collection		3	Stage Ib: Diverticulitis with confined pericolic abscess		4	Stage II: Diverticulitis with a distant abscess (this may be pelvic, intraabdominal or retroperitoneal abscess)																			
1	0: Mild Clinical diverticulitis																																		
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4	Stage II: Diverticulitis with a distant abscess (this may be pelvic, intraabdominal or retroperitoneal abscess)																																		

				<table><tr><td>5</td><td colspan="2">Stage III: Generalized purulent Peritonitis</td></tr><tr><td>6</td><td colspan="2">Stage IV: Generalized fecal peritonitis</td></tr></table>	5	Stage III: Generalized purulent Peritonitis		6	Stage IV: Generalized fecal peritonitis					
5	Stage III: Generalized purulent Peritonitis													
6	Stage IV: Generalized fecal peritonitis													
	131	<p>[malignancy]</p> <p>Show the field ONLY if: [indication_colectomy_ileo(5)] = '1'</p>	Malignancy:	<p>checkbox, Required</p> <table><tr><td>1</td><td>malignancy__1</td><td>Tumor</td></tr><tr><td>2</td><td>malignancy__2</td><td>Node</td></tr><tr><td>3</td><td>malignancy__3</td><td>Metastasis</td></tr></table>	1	malignancy__1	Tumor	2	malignancy__2	Node	3	malignancy__3	Metastasis	
1	malignancy__1	Tumor												
2	malignancy__2	Node												
3	malignancy__3	Metastasis												
	132	<p>[aast_5]</p> <p>Show the field ONLY if: [procedures(5)] = '1'</p>	<p>AAST severity grade for Colectomy:</p> <p><i>Please find grade for specific diagnosis on: https://www.aast.org/resources-detail/egs. Please pick highest AAST grade if multiple indications.</i></p>	<p>radio, Required</p> <table><tr><td>1</td><td>I</td></tr><tr><td>2</td><td>II</td></tr><tr><td>3</td><td>III</td></tr><tr><td>4</td><td>IV</td></tr><tr><td>5</td><td>V</td></tr></table>	1	I	2	II	3	III	4	IV	5	V
1	I													
2	II													
3	III													
4	IV													
5	V													
	133	<p>[aast_6]</p> <p>Show the field ONLY if: [procedures(6)] = '1'</p>	<p>AAST severity grade for Ileostomy reversal:</p> <p><i>Please find grade for specific diagnosis on: https://www.aast.org/resources-detail/egs. Please pick highest AAST grade if multiple indications.</i></p>	<p>radio, Required</p> <table><tr><td>1</td><td>I</td></tr><tr><td>2</td><td>II</td></tr><tr><td>3</td><td>III</td></tr><tr><td>4</td><td>IV</td></tr><tr><td>5</td><td>V</td></tr></table>	1	I	2	II	3	III	4	IV	5	V
1	I													
2	II													
3	III													
4	IV													
5	V													
	134	<p>[aast_7]</p> <p>Show the field ONLY if: [procedures(7)] = '1'</p>	<p>AAST severity grade for Colostomy reversal:</p> <p><i>Please find grade for specific diagnosis on: https://www.aast.org/resources-detail/egs. Please pick highest AAST grade if multiple indications.</i></p>	<p>radio, Required</p> <table><tr><td>1</td><td>I</td></tr><tr><td>2</td><td>II</td></tr><tr><td>3</td><td>III</td></tr><tr><td>4</td><td>IV</td></tr><tr><td>5</td><td>V</td></tr></table>	1	I	2	II	3	III	4	IV	5	V
1	I													
2	II													
3	III													
4	IV													
5	V													
	135	<p>[end_colostomy]</p> <p>Show the field ONLY if: [procedures(5)] = '1'</p>	End Colostomy?	<p>yesno, Required</p> <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes													
0	No													
	136	<p>[loop_ileostomy]</p> <p>Show the field ONLY if: [procedures(5)] = '1'</p>	Diverting loop ileostomy?	<p>yesno, Required</p> <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes													
0	No													
	137	<p>[drain_colec]</p> <p>Show the field ONLY if: [procedures(5)] = '1'</p>	Drain left in place?	<p>yesno, Required</p> <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes													
0	No													
	138	<p>[ulcer_type]</p> <p>Show the field ONLY if: [procedures(8)] = '1'</p>	Ulcer type:	<p>radio, Required</p> <table><tr><td>1</td><td>Gastric</td></tr><tr><td>2</td><td>Duodenal</td></tr><tr><td>3</td><td>Both</td></tr></table>	1	Gastric	2	Duodenal	3	Both				
1	Gastric													
2	Duodenal													
3	Both													

139	<div>[aast_8]</div> <div>Show the field ONLY if: [procedures(8)] = '1'</div>	AAST severity grade for Perforated Peptic Ulcer Repair: <i>Please find grade for specific diagnosis on: https://www.aast.org/resources-detail/egs. Please pick highest AAST grade if multiple indications.</i>	radio, Required <table><tr><td>1</td><td>I</td></tr><tr><td>2</td><td>II</td></tr><tr><td>3</td><td>III</td></tr><tr><td>4</td><td>IV</td></tr><tr><td>5</td><td>V</td></tr></table>	1	I	2	II	3	III	4	IV	5	V
1	I												
2	II												
3	III												
4	IV												
5	V												
140	<div>[ulcer_defect]</div> <div>Show the field ONLY if: [procedures(8)] = '1'</div>	Ulcer defect closed?	yesno <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes												
0	No												
141	<div>[type_suture]</div> <div>Show the field ONLY if: [ulcer_defect]=1</div>	Suture type:	text, Required										
142	<div>[egd]</div> <div>Show the field ONLY if: [procedures(8)] = '1'</div>	EGD (esophagogastroduodenoscopy)?	yesno <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes												
0	No												
143	<div>[graham]</div> <div>Show the field ONLY if: [procedures(8)] = '1'</div>	Graham Patch?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes												
0	No												
144	<div>[biopsy]</div> <div>Show the field ONLY if: [procedures(8)] = '1'</div>	Biopsy?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes												
0	No												
145	<div>[result_biopsy]</div> <div>Show the field ONLY if: [biopsy]=1</div>	Biopsy results?	text, Required										
146	<div>[drain_8]</div> <div>Show the field ONLY if: [procedures(8)] = '1'</div>	Drain left?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes												
0	No												
147	<div>[ugi]</div> <div>Show the field ONLY if: [procedures(8)] = '1'</div>	UGI?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes												
0	No												
148	<div>[ugi_timing]</div> <div>Show the field ONLY if: [ugi]=1</div>	UGI timing	text (datetime_ymd), Required										
149	<div>[leak]</div> <div>Show the field ONLY if: [procedures(8)] = '1'</div>	Leak?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes												
0	No												
150	<div>[leak_intervention]</div> <div>Show the field ONLY if: [leak]=1</div>	Leak intervention?	radio, Required <table><tr><td>1</td><td>Non-operative</td></tr><tr><td>2</td><td>IR</td></tr><tr><td>3</td><td>Endoscopic</td></tr></table>	1	Non-operative	2	IR	3	Endoscopic				
1	Non-operative												
2	IR												
3	Endoscopic												

				<table><tr><td>4</td><td>Reoperation</td></tr></table>	4	Reoperation										
4	Reoperation															
151	<div>[aast_9]</div> <div>Show the field ONLY if: [procedures(9)] = '1' or [procedures(10)] = '1' or [procedures(11)] = '1'</div>	AAST severity grade for Hernia: <i>Please find grade for specific diagnosis on: https://www.aast.org/resources-detail/egs. Please pick highest AAST grade if multiple indications.</i>	radio, Required <table><tr><td>1</td><td>I</td></tr><tr><td>2</td><td>II</td></tr><tr><td>3</td><td>III</td></tr><tr><td>4</td><td>IV</td></tr><tr><td>5</td><td>V</td></tr></table>		1	I	2	II	3	III	4	IV	5	V		
1	I															
2	II															
3	III															
4	IV															
5	V															
152	<div>[incarcerated]</div> <div>Show the field ONLY if: [procedures(9)] = '1' or [procedures(10)] = '1' or [procedures(11)] = '1'</div>	Incarcerated?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>		1	Yes	0	No								
1	Yes															
0	No															
153	<div>[organ_incar]</div> <div>Show the field ONLY if: [incarcerated]=1</div>	What organ?	text, Required													
154	<div>[strang]</div> <div>Show the field ONLY if: [procedures(9)] = '1' or [procedures(10)] = '1' or [procedures(11)] = '1'</div>	Strangulated?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>		1	Yes	0	No								
1	Yes															
0	No															
155	<div>[strang_organ]</div> <div>Show the field ONLY if: [strang]=1</div>	What organ?	text, Required													
156	<div>[bowl_res_req]</div> <div>Show the field ONLY if: [procedures(9)] = '1' or [procedures(10)] = '1' or [procedures(11)] = '1'</div>	Bowl resection required?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>		1	Yes	0	No								
1	Yes															
0	No															
157	<div>[sliding_hernia]</div> <div>Show the field ONLY if: [procedures(9)] = '1'</div>	Sliding hernia?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>		1	Yes	0	No								
1	Yes															
0	No															
158	<div>[hernia_type]</div> <div>Show the field ONLY if: [procedures(9)] = '1'</div>	Hernia type:	checkbox, Required <table><tr><td>1</td><td>hernia_type__1</td><td>Indirect</td></tr><tr><td>2</td><td>hernia_type__2</td><td>Direct</td></tr><tr><td>3</td><td>hernia_type__3</td><td>Femoral</td></tr><tr><td>4</td><td>hernia_type__4</td><td>Obturator</td></tr></table>		1	hernia_type__1	Indirect	2	hernia_type__2	Direct	3	hernia_type__3	Femoral	4	hernia_type__4	Obturator
1	hernia_type__1	Indirect														
2	hernia_type__2	Direct														
3	hernia_type__3	Femoral														
4	hernia_type__4	Obturator														
159	<div>[size_hernia]</div> <div>Show the field ONLY if: [procedures(9)] = '1' or [procedures(10)] = '1' or [procedures(11)] = '1'</div>	Hernia size (cm)	text (number)													
160	<div>[hernia_defect_closed]</div> <div>Show the field ONLY if:</div>	Hernia defect closed?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr></table>		1	Yes										
1	Yes															

		[procedures(9)] = '1' or [procedures(10)] = '1' or [procedures(11)] = '1'		<table><tr><td>0</td><td>No</td></tr></table>	0	No								
0	No													
	161	[scrotal_hernia] Show the field ONLY if: [procedures(9)] = '1'	Scrotal hernia?	yesno <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes													
0	No													
	162	[tissue_repair] Show the field ONLY if: [procedures(9)] = '1'	Tissue repair only?	radio, Required										
	163	[mesh_repair] Show the field ONLY if: [procedures(9)] = '1' or [procedures(10)] = '1' or [procedures(11)] = '1'	Mesh repair?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes													
0	No													
	164	[type_mesh] Show the field ONLY if: [mesh_repair]=1	Mesh type:	text, Required										
	165	[mesh_size] Show the field ONLY if: [mesh_repair]=1	Mesh size (cm^2):	text (number), Required										
	166	[mesh_fixation] Show the field ONLY if: [mesh_repair]=1	Mesh Fixation?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No						
1	Yes													
0	No													
	167	[fix_method] Show the field ONLY if: [mesh_fixation]=1	Mesh fixation method	radio, Required <table><tr><td>1</td><td>Tacks</td></tr><tr><td>2</td><td>Suture</td></tr><tr><td>3</td><td>Glue</td></tr></table>	1	Tacks	2	Suture	3	Glue				
1	Tacks													
2	Suture													
3	Glue													
	168	[coat_mesh] Show the field ONLY if: [mesh_repair]=1	Mesh coating:	radio, Required <table><tr><td>1</td><td>Coated</td></tr><tr><td>2</td><td>Uncoated</td></tr></table>	1	Coated	2	Uncoated						
1	Coated													
2	Uncoated													
	169	[umb_position_mesh] Show the field ONLY if: [procedures(10)] = '1'	Mesh position:	radio, Required <table><tr><td>1</td><td>Onlay</td></tr><tr><td>2</td><td>Preperitoneal</td></tr><tr><td>3</td><td>Sublay/intra-peritoneal</td></tr></table>	1	Onlay	2	Preperitoneal	3	Sublay/intra-peritoneal				
1	Onlay													
2	Preperitoneal													
3	Sublay/intra-peritoneal													
	170	[ventral_mesh_positio n] Show the field ONLY if: [procedures(11)] = '1'	Mesh position:	radio, Required <table><tr><td>1</td><td>Onlay</td></tr><tr><td>2</td><td>Bridge</td></tr><tr><td>3</td><td>Retrorectus</td></tr><tr><td>4</td><td>Preperitoneal</td></tr><tr><td>5</td><td>Intra-peritoneal</td></tr></table>	1	Onlay	2	Bridge	3	Retrorectus	4	Preperitoneal	5	Intra-peritoneal
1	Onlay													
2	Bridge													
3	Retrorectus													
4	Preperitoneal													
5	Intra-peritoneal													
	171	[mesh_infection] Show the field ONLY if:	Mesh infection?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr></table>	1	Yes								
1	Yes													

		[mesh_repair]=1		<table><tr><td>0</td><td>No</td></tr></table>	0	No				
0	No									
172	<div>[hernia_rec]</div> <div>Show the field ONLY if: [procedures(9)] = '1' or [procedures(10)] = '1' or [procedures(11)] = '1'</div>	Hernia Recurrence?	yesno, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No		
1	Yes									
0	No									
173	<div>[fu_time]</div> <div>Show the field ONLY if: [hernia_rec]=1</div>	Follow up: <i>D-M-Y</i>	text (datetime_dmy)							
174	<div>[seroma]</div> <div>Show the field ONLY if: [procedures(9)] = '1' or [procedures(10)] = '1' or [procedures(11)] = '1'</div>	Seroma?	yesno, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No		
1	Yes									
0	No									
175	<div>[iaa]</div> <div>Show the field ONLY if: [procedures(10)] = '1'</div>	Intra-abdominal abscess?	yesno, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No		
1	Yes									
0	No									
176	<div>[hematoma]</div> <div>Show the field ONLY if: [procedures(9)] = '1'</div>	Hematoma?	yesno, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No		
1	Yes									
0	No									
177	<div>[mech_prim_suture_repair]</div> <div>Show the field ONLY if: [procedures(10)] = '1' or [procedures(11)] = '1'</div>	Primary suture repair:	yesno, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No		
1	Yes									
0	No									
178	<div>[drain_9_10_11]</div> <div>Show the field ONLY if: [procedures(9)] = '1' or [procedures(10)] = '1' or [procedures(11)] = '1'</div>	Drain left?	yesno, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No		
1	Yes									
0	No									
179	<div>[comp_sep]</div> <div>Show the field ONLY if: [procedures(11)] = '1'</div>	Component separation performed?	yesno, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No		
1	Yes									
0	No									
180	<div>[comp_sep_loc]</div> <div>Show the field ONLY if: [comp_sep]=1</div>	Component Separation location:	radio, Required	<table><tr><td>1</td><td>Anterior</td></tr><tr><td>2</td><td>Posterior</td></tr><tr><td>3</td><td>Both</td></tr></table>	1	Anterior	2	Posterior	3	Both
1	Anterior									
2	Posterior									
3	Both									
181	<div>[type_comp_sepa]</div> <div>Show the field ONLY if: [comp_sep] = '1'</div>	Type component separation	text							
182	<div>[intra_abs_12]</div> <div>Show the field ONLY if: [procedures(12)] = '1'</div>	Intra-abdominal abscess?	yesno, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No		
1	Yes									
0	No									

183	[clavien_dindo]	Clavien-Dindo complication(s):	radio, Required <table border="1"> <tr> <td>1</td> <td>Grade 1 = Any deviation from the normal postoperative course without the need for pharmacological treatment or surgical, endoscopic, and radiologic interventions. Allowed therapeutic regimens are: drugs as antiemetics, antipyretics, analgesics, diuretics, electrolytes, and physiotherapy. This grade also includes wound infections opened at the bedside.</td> </tr> <tr> <td>2</td> <td>Grade 2 = Requiring pharmacological treatment with drugs other than such allowed for Grade 1 complications. Blood transfusions and total parenteral nutrition are also included.</td> </tr> <tr> <td>3</td> <td>Grade 3a = Requiring surgical, endoscopic, or radiologic intervention. Intervention NOT under general anesthesia</td> </tr> <tr> <td>4</td> <td>Grade 3b = Requiring surgical, endoscopic, or radiologic intervention. Intervention under general anesthesia</td> </tr> <tr> <td>5</td> <td>Grade 4a = Life-threatening complication (including CNS complications) requiring ICU management. Single organ complication (including dialysis)</td> </tr> <tr> <td>6</td> <td>Grade 4b = Life-threatening complication (including CNS complications) requiring ICU management. Multiorgan dysfunction</td> </tr> <tr> <td>7</td> <td>Grade 5 = Death of a patient</td> </tr> </table>	1	Grade 1 = Any deviation from the normal postoperative course without the need for pharmacological treatment or surgical, endoscopic, and radiologic interventions. Allowed therapeutic regimens are: drugs as antiemetics, antipyretics, analgesics, diuretics, electrolytes, and physiotherapy. This grade also includes wound infections opened at the bedside.	2	Grade 2 = Requiring pharmacological treatment with drugs other than such allowed for Grade 1 complications. Blood transfusions and total parenteral nutrition are also included.	3	Grade 3a = Requiring surgical, endoscopic, or radiologic intervention. Intervention NOT under general anesthesia	4	Grade 3b = Requiring surgical, endoscopic, or radiologic intervention. Intervention under general anesthesia	5	Grade 4a = Life-threatening complication (including CNS complications) requiring ICU management. Single organ complication (including dialysis)	6	Grade 4b = Life-threatening complication (including CNS complications) requiring ICU management. Multiorgan dysfunction	7	Grade 5 = Death of a patient				
1	Grade 1 = Any deviation from the normal postoperative course without the need for pharmacological treatment or surgical, endoscopic, and radiologic interventions. Allowed therapeutic regimens are: drugs as antiemetics, antipyretics, analgesics, diuretics, electrolytes, and physiotherapy. This grade also includes wound infections opened at the bedside.																				
2	Grade 2 = Requiring pharmacological treatment with drugs other than such allowed for Grade 1 complications. Blood transfusions and total parenteral nutrition are also included.																				
3	Grade 3a = Requiring surgical, endoscopic, or radiologic intervention. Intervention NOT under general anesthesia																				
4	Grade 3b = Requiring surgical, endoscopic, or radiologic intervention. Intervention under general anesthesia																				
5	Grade 4a = Life-threatening complication (including CNS complications) requiring ICU management. Single organ complication (including dialysis)																				
6	Grade 4b = Life-threatening complication (including CNS complications) requiring ICU management. Multiorgan dysfunction																				
7	Grade 5 = Death of a patient																				
184	[number_clavien_index]	Number of Clavien-Dindo complications: <i>enter 0 if none</i>	text (integer, Min: 0, Max: 5), Required																		
185	[complications]	Complications: <i>check all that apply</i>	checkbox, Required <table border="1"> <tr> <td>1</td> <td>complications__1</td> <td>1) DVT/PE</td> </tr> <tr> <td>2</td> <td>complications__2</td> <td>2) Cerebral Vascular Accident (CVA)</td> </tr> <tr> <td>3</td> <td>complications__3</td> <td>3) Surgical site infection (SSI)</td> </tr> <tr> <td>4</td> <td>complications__4</td> <td>4) Post-operative bleeding</td> </tr> <tr> <td>5</td> <td>complications__5</td> <td>5) No complications</td> </tr> <tr> <td>6</td> <td>complications__6</td> <td>6) Other complications (explain)</td> </tr> </table>	1	complications__1	1) DVT/PE	2	complications__2	2) Cerebral Vascular Accident (CVA)	3	complications__3	3) Surgical site infection (SSI)	4	complications__4	4) Post-operative bleeding	5	complications__5	5) No complications	6	complications__6	6) Other complications (explain)
1	complications__1	1) DVT/PE																			
2	complications__2	2) Cerebral Vascular Accident (CVA)																			
3	complications__3	3) Surgical site infection (SSI)																			
4	complications__4	4) Post-operative bleeding																			
5	complications__5	5) No complications																			
6	complications__6	6) Other complications (explain)																			

	186	[other_complications] Show the field ONLY if: [complications(6)] = '1'	Other complications:	text, Required									
	187	[ssi_criteria_1] Show the field ONLY if: [complications(3)] = '1'	Must meet following criteria if the patient is deemed to have an SSI: Date of event occurs within 30 days of operative procedure <i>Day 1 = procedure start date</i>	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No					
1	Yes												
0	No												
	188	[ssi_critiria_2] Show the field ONLY if: [complications(3)] = '1'	Must ALSO meet following criteria if the patient is deemed to have an SSI: Involves only skin and subcutaneous tissue of the	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No					
1	Yes												
0	No												
	189	[ssi_criteria_3] Show the field ONLY if: [complications(3)] = '1'	Must ALSO meet at least ONE of the following: <i>Please pick one or all that apply.</i>	checkbox, Required <table><tr><td>1</td><td>ssi_criteria_3__1</td><td>a. purulent drainage from the superficial incision.</td></tr><tr><td>2</td><td>ssi_criteria_3__2</td><td>b. organism(s) identified from an aseptically-obtained specimen from the superficial incision or subcutaneous tissue by a culture or nonculture based microbiologic testing method which is performed for purposes of clinical diagnosis or treatment (for example, not Active Surveillance Culture/Testing [ASC/AST])</td></tr><tr><td>3</td><td>ssi_criteria_3__3</td><td>c. a superficial incision that is deliberately opened by a surgeon, physician* or physician designee and culture or non-culture based testing of the superficial incision or subcutaneous tissue is not performed AND patient has at least one of the following signs or symptoms: localized pain or tenderness;</td></tr></table>	1	ssi_criteria_3__1	a. purulent drainage from the superficial incision.	2	ssi_criteria_3__2	b. organism(s) identified from an aseptically-obtained specimen from the superficial incision or subcutaneous tissue by a culture or nonculture based microbiologic testing method which is performed for purposes of clinical diagnosis or treatment (for example, not Active Surveillance Culture/Testing [ASC/AST])	3	ssi_criteria_3__3	c. a superficial incision that is deliberately opened by a surgeon, physician* or physician designee and culture or non-culture based testing of the superficial incision or subcutaneous tissue is not performed AND patient has at least one of the following signs or symptoms: localized pain or tenderness;
1	ssi_criteria_3__1	a. purulent drainage from the superficial incision.											
2	ssi_criteria_3__2	b. organism(s) identified from an aseptically-obtained specimen from the superficial incision or subcutaneous tissue by a culture or nonculture based microbiologic testing method which is performed for purposes of clinical diagnosis or treatment (for example, not Active Surveillance Culture/Testing [ASC/AST])											
3	ssi_criteria_3__3	c. a superficial incision that is deliberately opened by a surgeon, physician* or physician designee and culture or non-culture based testing of the superficial incision or subcutaneous tissue is not performed AND patient has at least one of the following signs or symptoms: localized pain or tenderness;											

						localized swelling; erythema; or heat
				4	ssi_criteria_3__4	d. diagnosis of a superficial incisional SSI by a physician* or physician designee
	190	[ssi_severity] Show the field ONLY if: [complications(3)] = '1'	Surgical site infection (SSI) severity: <i>Surgical site grade criterias can be found on:</i> https://www.aast.org/resources-detail/egs	checkbox, Required		
				1	ssi_severity__1	Grade 1 - Localized, local intervention indicated
				2	ssi_severity__2	Grade 2 - Oral intervention indicated (e.g., antibiotic, antifungal, or antiviral)
				3	ssi_severity__3	Grade 3 - IV antibiotic, antifungal, or antiviral intervention indicated; invasive intervention indicated
				4	ssi_severity__4	Grade 4 - Life-threatening consequences; urgent intervention indicated
				5	ssi_severity__5	Grade 5 - Death
	191	[postop_severity] Show the field ONLY if: [complications(4)] = '1'	Post-operative bleeding severity:	checkbox, Required		
				1	postop_severity__1	Grade 1 - Mild symptoms; intervention not indicated
				2	postop_severity__2	Grade 2 - Moderate bleeding requiring transfusion < 2 units RBCs
				3	postop_severity__3	Grade 3 - Transfusion indicated of ≥ 2 units RBCs; invasive intervention indicated; hospitalization
				4	postop_severity__4	Grade 4 - Life-threatening consequences; urgent

					intervention indicated
				5	postop_severity__5 Grade 5 - Death
	192	[followupop]	Unplanned return to operating room?	yesno, Required	
				1	Yes
				0	No
	193	[return_or] Show the field ONLY if: [followupop]=1	Reason for return to OR:	text, Required	
	194	[follow_up_procedure] Show the field ONLY if: [followupop]=1	Unplanned post-op procedures?	radio	
				1	IR
				2	Endoscopy
				3	other
	195	[charges_operation]	Charge of operation:	text	
	196	[disposable_costs]	Charges of disposable surgical material including robotic charges:	text	
	197	[total_hosp]	Total hospital charges	text	
	198	[operation_complete]	Section Header: <i>Form Status</i> Complete?	dropdown	
				0	Incomplete
				1	Unverified
				2	Complete

Instrument: Index Hospitalization Outcomes (index_hospitalization_outcomes)

	199	[hospital_los]	Hospital Length of Stay:	text, Required	
	200	[admitted_icu]	Was subject admitted to the ICU?	yesno, Required	
				1	Yes
				0	No
	201	[icu_los] Show the field ONLY if: [admitted_icu]='1'	ICU Length of Stay:	text, Required	
	202	[pacu]	Was subject admitted to PACU?	yesno, Required	
				1	Yes
				0	No
	203	[pacu_los] Show the field ONLY if: [pacu] = '1'	PACU length of stay	text, Required	
	204	[mecvent_icu]	Was Mechanical Ventilation required in the ICU?	yesno, Required	
				1	Yes
				0	No
	205	[mechvent] Show the field ONLY if: [mecvent_icu]=1	How long was the patient on mechanical ventilator post-surgery?	text, Required	

	206	[discharge]	Discharge disposition:	radio, Required <table><tr><td>1</td><td>1) Home</td></tr><tr><td>2</td><td>2) Inpatient Rehabilitation</td></tr><tr><td>3</td><td>3) Skilled Nursing Facility</td></tr><tr><td>4</td><td>4) Transfer to another Acute Care Hospital</td></tr><tr><td>5</td><td>5) Long-term Acute Care Hospital</td></tr><tr><td>6</td><td>6) Hospice</td></tr><tr><td>7</td><td>7) Death</td></tr><tr><td>8</td><td>8) Other</td></tr></table>	1	1) Home	2	2) Inpatient Rehabilitation	3	3) Skilled Nursing Facility	4	4) Transfer to another Acute Care Hospital	5	5) Long-term Acute Care Hospital	6	6) Hospice	7	7) Death	8	8) Other
1	1) Home																			
2	2) Inpatient Rehabilitation																			
3	3) Skilled Nursing Facility																			
4	4) Transfer to another Acute Care Hospital																			
5	5) Long-term Acute Care Hospital																			
6	6) Hospice																			
7	7) Death																			
8	8) Other																			
	207	[other_disposition] Show the field ONLY if: [discharge]='7'	Other discharge Disposition:	text, Required																
	208	[er]	Did patient come to the ER within 30 days of operation?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No												
1	Yes																			
0	No																			
	209	[ex_er] Show the field ONLY if: [er]=1	Explain:	text, Required																
	210	[readmission]	Did patient get re-admitted to the hospital?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	1	Yes	0	No												
1	Yes																			
0	No																			
	211	[read_explain] Show the field ONLY if: [readmission]='1'	Explain:	text, Required																
	212	[index_hospitalization_outcomes_complete]	Section Header: <i>Form Status</i> Complete?	dropdown <table><tr><td>0</td><td>Incomplete</td></tr><tr><td>1</td><td>Unverified</td></tr><tr><td>2</td><td>Complete</td></tr></table>	0	Incomplete	1	Unverified	2	Complete										
0	Incomplete																			
1	Unverified																			
2	Complete																			

Office of Research
INSTITUTIONAL REVIEW BOARD

MEMORANDUM

To: Samuel Ross
Atrium/Carolinas Healthcare System

From: Jeannie Sekits, Senior Protocol Analyst, Institutional Review Board

Date Approved: 2/2/2024

Subject: Expedited Review: IRB00108296
Robotic Acute Care Surgery (ACS) Utilization and Outcomes: An EAST
Prospective, Observational Propensity Matched Multicenter Trial.

Study Documents:
Protocol Version: Robotic ACS

This research study qualifies for expedited review under the Federal Regulations [45CFR46.110]. These regulations allow an IRB to approve certain kinds of research involving no more than minimal risk to human subjects. The risks of harm anticipated in the proposed research are not greater than those ordinarily encountered by the general population in daily life or during the performance of routine physical, laboratory, or psychological exams or tests. [45CFR46.102(i)].

Upon review of the research, the IRB finds that this study is classified as Expedited Category 5.

This research meets the criteria for a waiver of consent entirely according to 45 CFR 46(d).

This research meets the criteria for a waiver of HIPAA authorization according to 45 CFR 164.512.

IRB approval is for a period of 12 months from 2/2/2024. Please notify the Office of Research when the project is complete.

The Wake Forest School of Medicine IRB is duly constituted, has written procedures for initial and continuing review of clinical trials; prepares written minutes of convened meetings, and retains records pertaining to the review and approval process; all in compliance with requirements of FDA regulations 21 CFR Parts 50 and 56, HHS regulations 45 CFR 46, and International Conference on Harmonisation (ICH) E6, Good Clinical Practice (GCP), as applicable. WFSM IRB is registered with OHRP/FDA; our IRB registration numbers are IRB00000212, IRB00002432, IRB00002433, IRB00002434, IRB00008492, IRB00008493, IRB00008494, and IRB00008495.

WFSM IRB has been continually fully accredited by the Association for the Accreditation of Human Research Protection Programs (AAHRPP) since 2011.

