

Enhanced Recovery After Surgery
Indicators for Reports

#	Form	Indicator	J-Review*
1	Preoperative Questionnaire	Where did the patient receive the patient education booklet?	Number/percent for each option
2	Preoperative Questionnaire	Was the patient informed of the length of stay?	Number/percent for each option
3	Preoperative Questionnaire and Intra-op (operative)	Did the patient drink clear liquids until 3 hours pre-op?	Compare time of last CHO drink (preop) to time of incision (intra-op: operative). Include all patients who had their last CHO drink 5 hours or less prior to surgery
4	Perioperative Questionnaire Intra-op (operative)	Did the patient have an oral bowel preparation prior to surgery?	<ol style="list-style-type: none"> 1. Number/percent for each option who had a LAR 2. Number/percent for each option who had a hartmann reversal 3. Number/percent for each option who had any operation except a LAR or hartmann reversal
5	Intra-op (Medication information) and PODO	Did the patient receive appropriate antibiotics pre-induction, re-dosed according to criteria and no antibiotics post-operatively?	<ol style="list-style-type: none"> 1. Patient Must receive one of the following options pre-operatively: <ol style="list-style-type: none"> a. cefazolin and metronidazole b. cefazolin, metronidazole and gentamicin c. vancomycin, metronidazolin and gentamicin 2. If the patient received a or b and the surgery was longer than 4 hours (time of incision-time of closure) was cefazolin re-dosed at 4 hours? 3. Did the patient receive no antibiotics postoperatively? (POD 0) 4. Did the patient have 1 (a,b, or c) + 2 (where appropriate. This will be a different denominator) + 3.
6	Intra-op (anes)	What was the temperature at induction?	Number/percent of all patients with temperature >36.0 at induction
7	Intra-op (anes)	What was the temperature in the PACU?	Number/percent of all patients with temperature >36.0 in the PACU
8	Perioperative	Type of hair removal	Number/percent of all patients for each option
9	Intraoperative	Type of skin preparation	Number/percent of all patients for each option
10	Intra-op (medication)	Did the patient receive appropriate VTE prophylaxis?	<ol style="list-style-type: none"> 1. Number/percent of all patients that received any type of thromboprophylaxis (except stockings/IPC) before induction, after induction, or after epidural 2. Number of patients who received 1 and was on thromboprophylaxis until discharge (POD+)
11	POD-0	Did the patient have an NG tube left in at the end of the case?	Number/percent of all patients for each option
12	POD-0	Did the patient have a drain left in at the end of the case?	<ol style="list-style-type: none"> 1. Number/percent of patients who had an APR or TPC for each option 2. Number/percent of all patients who had all other operations for each option
13	Intra-op (medication)	Received gabapentum pre-operatively	Number/percent of all patients for each option
14	Intra-op (medication and operative)	Received NSAIDs preoperatively	<ol style="list-style-type: none"> 1. Number/percent of patients who had a APR, TPC, Hartmann, STC and ileo and received any type of NSAID preoperatively 2. Number/percent of patients who had all other operations and received any type of NSAID preoperatively
15	Intra-op	Received TEA if surgery	1. Number/percent of patients who had an open procedure

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	(anesthesia and operative)	performed open	(approach) and an epidural was inserted (anesthesia) 2. Number/percent of patients who had a laparoscopic procedure (approach) and an epidural was inserted (anesthesia)
16	Intra-op (anesthesia and operative)	Had intra-operative lidocaine infusion if patient had laparoscopic surgery or open surgery but did not have TEA	Number/percent of patients who received intraoperative lidocaine (except patients who received an epidural)
17	Intra-op (anesthesia and POD0-3)	Patients received NSAIDs post-operatively	1. Number/percent of patients who had a APR, TPC, Hartmann, STC and ileo and received any type of NSAID on day 0, 1, 2, 3 2. Number/percent of patients who had all other operations and received any type of NSAID on day 0, 1, 2, 3
18	Intra-op (anesthesia)	Cardiac Output monitor used intra-operatively	Number/percent of all patients for each option
19	Intra-op (anesthesia)	Type of crystalloid received intraoperatively	1. Number/percent of patients who received Ringers only 2. Number/percent of patients who received Normal Saline only 3. Number/percent of patients who received Ringers and Normal Saline 4. Number/percent of patients who received Plasma-Lyte/Other 5. Mean total volume of crystalloid at each site
20	Intra-op (anesthesia)	Colloids	Number/percent of patients who received any type of colloid
21	POD0	Patient walked or dangled on PO day 0	Number/percent of all patients for each option
22	POD0	Liquids taken on PO Day 0	Number/percent of all patients who had liquids and/or fluids
23	POD1-3	Patient sat in chair for meals after PO day 0	Number/percent of all patients who sat in a chair for all meals on day 1, 2, and 3
24	POD1-3	Patient walked every day	Number/percent of all patients who walked at least once on day 1, 2, and 3 for each option
25	POD1-3	Regular diet starting after PO Day 1	Number/percent of patients who had solid food for the first time on day 1, 2, and 3
26	POD 1-3	Chewed gum at least once each day beginning PO day 1	Number/percent of all patients who chewed gum at least once on day 1, 2, and 3 for each option
27	POD 0-4	Urinary catheter removal	1. Number/percent of patients who did not have a catheter left in at the end of the surgery (POD0- Foley removed/voiding spontaneously) 2. Number/percent of all patients who had their catheter removed on POD 1, 2, 3, 4 and had any of the following operations: APR, IPAA, LAR, TPC 3. Number/percent of all patients who had their catheter removed on POD 1, 2, 3, 4 and had all other operations
28	POD 1-3	Use of narcotics	1. Number/percent of patients on narcotics POD 1, 2, and 3 2. Mean total dose of narcotics for #1 on POD 1, 2, 3
29	POD 1-3	Use of postoperative Tylenol	Number/percent of patients who received Tylenol POD 1, 2, and 3
30	POD 1-3	Maintenance fluid	Number/percent of patients who are receiving any type of maintenance fluid POD 1, 2, 3
31	POD 1-7	GI function	1. Number/percent of all patients who first passed gas on

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			POD 1,2,3,4,5,6, and 7 2. Number/percent of all patients who first passed stool on POD 1,2,3,4,5,6, and 7
32	POD 1-7	Removal of TEA	1. Number/percent of all patients who had their TEA removed on POD 1-7 for open cases 2. Number/percent of all patients who had their TEA removed on POD 1-7 for laparoscopic cases
33	POD 1-3	Mean pain score	1. Mean pain score for all patients POD 1-3 2. Number/percent of all patients who had pain under 4 POD 1-3

* Each indicator should be reported overall as well as at each site.

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Outcomes	
Number of AEs	<ol style="list-style-type: none"> 1. Number/percent of patients who had an anastomotic leak within 30 days at each site 2. Number/percent of patients who had a SSI within 30 days at each site 3. Number/percent of patients who had urinary retention within 30 days at each site 4. Number/percent of patients who had a UTI within 30 days at each site 5. Number/percent of patients who had an ileus within 30 days at each site
Clavien Grades	Number/percent of patients who had a Clavien grade 1, 2, 3, 4, 5, 6 within 30 days at each site
Admission to ICU (only for unplanned admission)	Number/percent of patients who had an unplanned admission to the ICU at each site
Reoperation	Number/percent of patients who had an abdominal reoperation within 30 days at each site
30 day mortality	Number/percent of patients who had died within 30 days at each site
Emergency Room Visit (all reasons)	Number/percent of patients who visited the ER within 30 days at each site (exclude readmissions)
Hospital Readmission (all reasons)	Number/percent of patients who was readmitted within 30 days at each site
Length of Stay	<ol style="list-style-type: none"> 1. Average length of stay for all patients at each site 2. Number/percent of patients who had the following operations APR, IPAA, LAR, TPC whose length of stay was 4 days or less 3. Number/percent of patients who had all other operations whose length of stay was 3 days or less 4. Mean total Length of Stay (Date of Discharge-Date of Surgery plus all days when patient was readmitted)