



**SCW Confidential Performance Report**  
**Quality Initiative: Enhanced Recovery Protocols for Colorectal**  
**Surgery Reporting Period: July 2024 - June 2025**



## Enhanced Recovery Protocol for Colorectal Procedures

**Table 1.** Unadjusted postoperative length of stay, prolonged length of stay, and 30-day readmission\*

|                                                            | <b>Your Cases</b> | <b>Your Hospital</b> | <b>Participating Hospitals (n=57)</b> | <b>All WI Hospitals (n=94)</b> |
|------------------------------------------------------------|-------------------|----------------------|---------------------------------------|--------------------------------|
| <b>Median postoperative length of stay (IQR)</b>           | –                 | 4 (3-7)              | 4 (2-6)                               | 4 (2-6)                        |
| <b>Mean postoperative length of stay (SD)</b>              | –                 | 6.2 (5.4)            | 5.2 (5.4)                             | 5.2 (5.3)                      |
| <b>Average probability of prolonged length of stay (%)</b> | –                 | 31.8%                | 22.1%                                 | 21.2%                          |
| <b>Average all-cause 30-day readmission (%)</b>            | –                 | 7.6%                 | 6.8%                                  | 6.7%                           |

\*Patients who were transferred post-operatively or who died during the inpatient stay are removed from all length of stay and readmission calculations

\*\*IQR = Interquartile Range; SD = Standard Deviation

\*\*\*Estimates based on low volume presented as <5

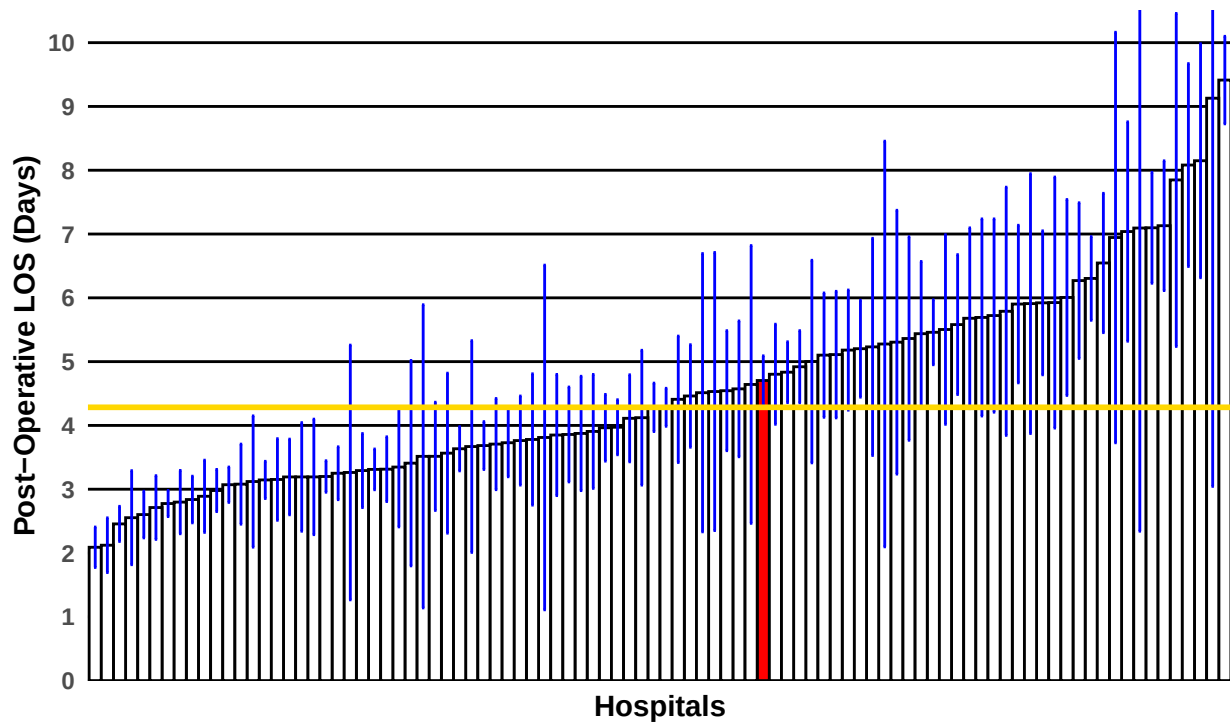
**Table 2.** Risk- and reliability-adjusted median postoperative length of stay, predicted probabilities of prolonged length of stay, and predicted probabilities of 30-day readmission in UW Hospital and Clinics Authority compared to all Wisconsin hospitals\*

|                                                                          | <b>Your Hospital</b> | <b>Participating Hospitals (n=57)</b> |
|--------------------------------------------------------------------------|----------------------|---------------------------------------|
| <b>Median Length of Stay</b>                                             | 4.7 (4.3 - 5.1)      | 3.7 (3.6 - 3.9)                       |
| <b>Average Predicted Probability of Prolonged Length of Stay (%)</b>     | 29.2 (22.8 - 35.6)   | 17.6 (15.4 - 19.9)                    |
| <b>Average Predicted Probability of All-Cause 30-Day Readmission (%)</b> | 25.2 (17.9 - 32.6)   | 11.4 (9.7 - 13.2)                     |

\*Probability of a prolonged length of stay, adjusting for patient risk factors and hospital volume

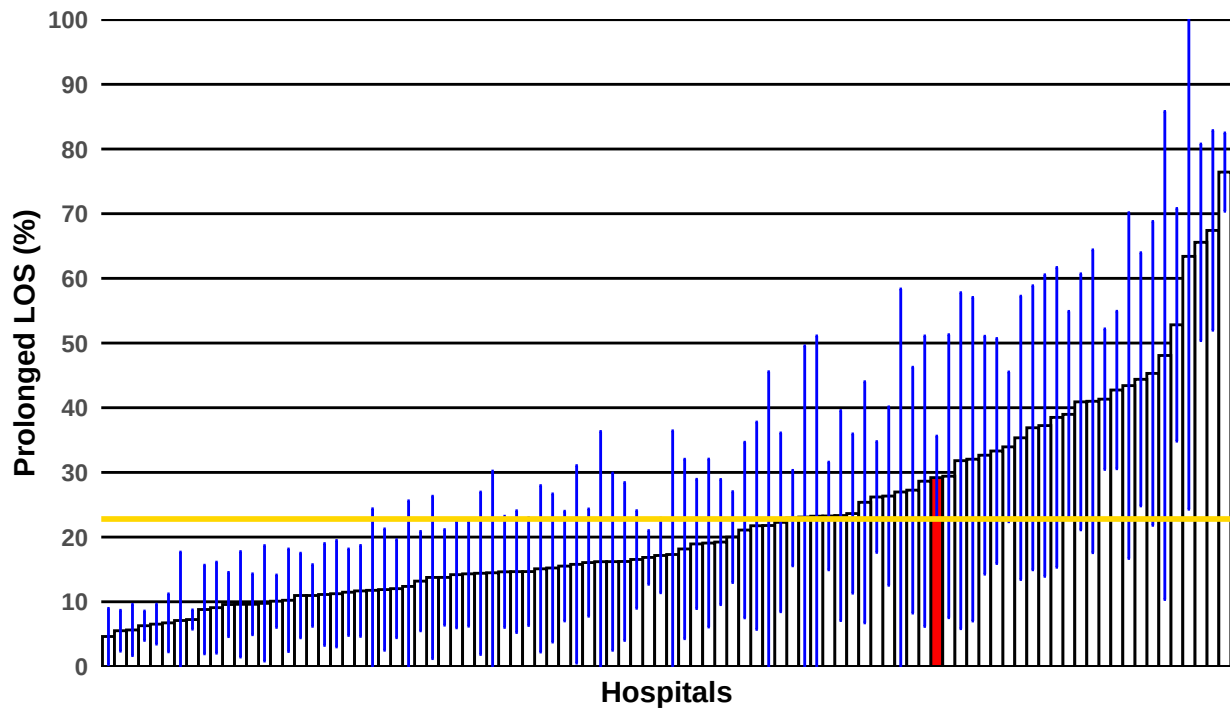


**Figure 1.** Risk- and reliability-adjusted median length of hospital stay following colorectal procedures in hospitals across Wisconsin.



Statewide median length of stay is reflected by the yellow horizontal line.  
Each bar represents a hospital in Wisconsin. Error bars represent confidence intervals around each hospital estimate.  
Your hospital's performance is represented by the solid red bar.

**Figure 2.** Risk- and reliability-adjusted predicted probability of a prolonged length of stay for patients undergoing colorectal procedures



Prolonged length of stay is defined as greater than 7 days, which was the 75% percentile for patients in Wisconsin at the time of the study. The statewide mean for the percent of patients with prolonged length of stay is reflected by the yellow horizontal line. Each bar represents a hospital in Wisconsin. Error bars represent confidence intervals around each hospital estimate. Your hospital's performance is represented by the solid red bar.

**Table 3.** Clinical factors associated with 30-day readmission encounters

|                                                                                             | <b>Your<br/>Hospital</b> | <b>Participating<br/>Hospitals<br/>(n=57)</b> | <b>All WI<br/>Hospitals<br/>(n=94)</b> |
|---------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------|----------------------------------------|
| <b>Top 5 diagnosis categories during readmission encounter</b>                              |                          |                                               |                                        |
| 1. Surgical Complication                                                                    | 8 (30.8%)                | 57 (29.8%)                                    | 69 (28.2%)                             |
| 2. Infection/ Sepsis                                                                        | 7 (26.9%)                | 40 (20.9%)                                    | 59 (24.1%)                             |
| 3. Ileus/ Perforation/ Obstruction                                                          | 6 (23.1%)                | 29 (15.2%)                                    | 35 (14.3%)                             |
| 4. Other                                                                                    | <5                       | 20 (10.5%)                                    | 29 (11.8%)                             |
| 5. Cardiac/ Pulmonary/ Renal                                                                | <5                       | 24 (12.6%)                                    | 28 (11.4%)                             |
| <b>Top 5 procedural categories during readmission encounter</b>                             |                          |                                               |                                        |
| 1. Reoperation                                                                              | <5                       | 38 (19.9%)                                    | 46 (18.8%)                             |
| 2. GI/ abdominal drainage                                                                   | <5                       | 26 (13.6%)                                    | 36 (14.7%)                             |
| 3. Uro, pulm, card, gyn, vasc                                                               | <5                       | 15 (7.9%)                                     | 17 (6.9%)                              |
| 4. Other                                                                                    | <5                       | 11 (5.8%)                                     | 14 (5.7%)                              |
| 5. Venous/ arterial cath placement                                                          | <5                       | 8 (4.2%)                                      | 12 (4.9%)                              |
| Readmission rate among patients with 3 or more hospital encounters in prior year            | 6 (9.7%)                 | 43 (7.6%)                                     | 57 (8%)                                |
| Readmission rate among Medicaid patients                                                    | <5                       | 15 (8%)                                       | 17 (7.1%)                              |
| Percent of readmissions associated with a surgical quality-related problem diagnosis code** | 17 (65.4%)               | 123 (64.4%)                                   | 160 (65.3%)                            |

\*Estimates based on low volume presented as <5

\*\*Surgical quality-related problem diagnosis codes from Mull HJ, Graham LA, Morris MS, et al. Association of postoperative readmissions with surgical quality using a delphi consensus process to identify relevant diagnosis codes. JAMA Surgery. 2018;153(8):728-737.

**Table 4.** Sociodemographics (Wisconsin Hospital Association data)

|                                      | <b>Your Cases</b> | <b>Your Hospital</b> | <b>Participating Hospitals (n=57)</b> | <b>All WI Hospitals (n=94)</b> |
|--------------------------------------|-------------------|----------------------|---------------------------------------|--------------------------------|
| <b>Number of Cases</b>               | –                 | 340                  | 2820                                  | 3670                           |
| <b>Mean Age (SD)</b>                 | –                 | 60.4 (15)            | 62.5 (14.8)                           | 62.7 (14.8)                    |
| <b>Gender</b>                        |                   |                      |                                       |                                |
| <b>Male</b>                          | –                 | 149 (43.8%)          | 1296 (46%)                            | 1697 (46.2%)                   |
| <b>Female</b>                        | –                 | 191 (56.2%)          | 1524 (54%)                            | 1973 (53.8%)                   |
| <b>Admission Type</b>                |                   |                      |                                       |                                |
| <b>Emergency</b>                     | –                 | 66 (19.4%)           | 705 (25%)                             | 915 (24.9%)                    |
| <b>Urgent</b>                        | –                 | <5                   | 240 (8.5%)                            | 277 (7.5%)                     |
| <b>Elective</b>                      | –                 | 270 (79.4%)          | 1875 (66.5%)                          | 2478 (67.5%)                   |
| <b>Payer</b>                         |                   |                      |                                       |                                |
| <b>Medicare</b>                      | –                 | 155 (45.6%)          | 1583 (56.2%)                          | 2038 (55.5%)                   |
| <b>Medical Assistance/BadgerCare</b> | –                 | 25 (7.4%)            | 187 (6.6%)                            | 239 (6.5%)                     |
| <b>Other Government</b>              | –                 | 6 (1.8%)             | 56 (2%)                               | 85 (2.3%)                      |
| <b>Private Insurance</b>             | –                 | 153 (45%)            | 956 (33.9%)                           | 1260 (34.3%)                   |
| <b>Self-Pay</b>                      | –                 | <5                   | 37 (1.3%)                             | 47 (1.3%)                      |

\*Estimates based on low volume presented as <5

**Table 4 cont.** Clinical characteristics (Wisconsin Hospital Association data)

|                                   | Your Cases | Your Hospital | Participating Hospitals (n=57) | All WI Hospitals (n=94) |
|-----------------------------------|------------|---------------|--------------------------------|-------------------------|
| <b>Discharge Location</b>         |            |               |                                |                         |
| Inpatient Death                   | –          | <5            | 37 (1.3%)                      | 46 (1.3%)               |
| Home                              | –          | 250 (73.5%)   | 2102 (74.5%)                   | 2787 (75.9%)            |
| Home with Home Health Services    | –          | 72 (21.2%)    | 452 (16%)                      | 533 (14.5%)             |
| Skilled Nursing Facility/Rehab    | –          | 15 (4.4%)     | 171 (6.1%)                     | 225 (6.1%)              |
| Transfer to Another Care Facility | –          | <5            | 58 (2.1%)                      | 79 (2.2%)               |
| <b>Diagnosis Category</b>         |            |               |                                |                         |
| Benign neoplasm                   | –          | 19 (5.6%)     | 235 (8.3%)                     | 325 (8.9%)              |
| Bleeding/ Ischemia                | –          | 11 (3.2%)     | 65 (2.3%)                      | 76 (2.1%)               |
| Diverticulitis                    | –          | 57 (16.8%)    | 785 (27.8%)                    | 1063 (29%)              |
| Infection/ Sepsis/ Peritonitis    | –          | 16 (4.7%)     | 212 (7.5%)                     | 270 (7.4%)              |
| Inflammatory bowel disease        | –          | 22 (6.5%)     | 67 (2.4%)                      | 78 (2.1%)               |
| Malignancy                        | –          | 155 (45.6%)   | 931 (33%)                      | 1187 (32.3%)            |
| Obstruction                       | –          | 33 (9.7%)     | 298 (10.6%)                    | 376 (10.2%)             |
| Ostomy dysfunction                | –          | 10 (2.9%)     | 86 (3%)                        | 114 (3.1%)              |
| Other                             | –          | 7 (2.1%)      | 59 (2.1%)                      | 81 (2.2%)               |
| Peritonitis                       | –          | <5            | 35 (1.2%)                      | 45 (1.2%)               |
| Pseudo-obst/ Constip/ Prolapse    | –          | 7 (2.1%)      | 47 (1.7%)                      | 55 (1.5%)               |
| <b>Procedure Category</b>         |            |               |                                |                         |
| Total Colectomy                   | –          | 24 (7.1%)     | 118 (4.2%)                     | 139 (3.8%)              |
| Right Colectomy                   | –          | 121 (35.6%)   | 1037 (36.8%)                   | 1328 (36.2%)            |
| Left Colectomy                    | –          | 149 (43.8%)   | 1461 (51.8%)                   | 1960 (53.4%)            |
| Proctectomy                       | –          | 46 (13.5%)    | 204 (7.2%)                     | 243 (6.6%)              |
| <b>Surgical Approach</b>          |            |               |                                |                         |
| Open                              | –          | 181 (53.2%)   | 1210 (42.9%)                   | 1563 (42.6%)            |
| Laparoscopic                      | –          | 159 (46.8%)   | 1610 (57.1%)                   | 2107 (57.4%)            |
| <b>Underwent Ostomy</b>           |            |               |                                |                         |
| No                                | –          | 276 (81.2%)   | 2545 (90.2%)                   | 3339 (91%)              |
| Yes                               | –          | 64 (18.8%)    | 275 (9.8%)                     | 331 (9%)                |

\*Estimates based on low volume presented as <5