Supplementary Online Content

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eAppendix. Complications After Surgery

eFigure 1. Hospital-Level Probability of Colectomy Patients Receiving at Least 1 Medical Consultation, Stratified by Admission Type

eFigure 2. Hospital-Level Probability of THR Patients Receiving at Least 1 Medical Consultation, Stratified by Admission Type

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eAppendix: Complications After Surgery

1. Postoperative Pulmonary Failure

   Diagnosis Codes:  518.81 - Acute respiratory failure  
                    518.82 - Other pulmonary insufficiency, not elsewhere classified  
                    518.84 - Acute and chronic respiratory failure

   Surgical Procedures:  96.04 - Insertion of endotracheal tube  
                          96.05 - Other intubation of respiratory tract  
                          96.7 - Other continuous mechanical ventilation  
                          96.70 - Continuous invasive mechanical ventilation of unspecified duration

2. Postoperative Pneumonia

   Diagnosis Codes:  481.xx - Pneumococcal pneumonia [Streptococcus pneumoniae pneumonia]  
                    482.xx - Other bacterial pneumonia  
                    483.xx - Pneumonia due to other specified organism  
                    484.xx - Pneumonia in infectious diseases classified elsewhere  
                    485.xx - Bronchopneumonia, organism unspecified  
                    507.0x - Pneumonitis due to inhalation of food or vomitus

3. Postoperative Myocardial Infarction

   Diagnosis Codes:  410.xx - Acute myocardial infarction

4. Postoperative Deep Venous Thrombosis and Pulmonary Embolism

   Diagnosis Codes:  415.1x - Pulmonary embolism and infarction  
                    451.11 - Phlebitis and thrombophlebitis of femoral vein (deep) (superficial)  
                    451.19 - Other pulmonary embolism and infarction  
                    451.2x - Phlebitis and thrombophlebitis of lower extremities, unspecified  
                    451.81 - Phlebitis and thrombophlebitis of iliac vein
453.8x - Other venous embolism and thrombosis of other specified veins

Surgical Procedures: 38.7 - Incision, excision, and occlusion of vessels: abdominal veins

5. Postoperative Acute Renal Failure

Diagnosis Codes: 584.xx - Acute renal failure

Surgical Procedures: 39.95 - Other operations on vessels: Hemodialysis

6. Postoperative Hemorrhage

Diagnosis Codes: 998.1x - Hemorrhage or hematoma or seroma complicating a procedure

7. Postoperative Surgical Site Infection

Diagnosis Codes: 958.3x - Posttraumatic wound infection, not elsewhere classified
998.3x - Disruption of operation wound
998.5x - Postoperative infection

Surgical Procedures: 54.91 - Other operations of abdominal region: Percutaneous abdominal drainage

8. Postoperative Gastrointestinal Hemorrhage

Diagnosis Codes: 530.82 - Esophageal hemorrhage
531.0x - Gastric ulcer: Acute with hemorrhage
531.1x - Gastric ulcer: Acute with perforation
531.2x - Gastric ulcer: Acute with hemorrhage and perforation
531.4x - Gastric ulcer: Chronic or unspecified with hemorrhage
531.6x - Gastric ulcer: Chronic or unspecified with hemorrhage and perforation:
532.0x - Duodenal ulcer: Acute with hemorrhage
532.1x - Duodenal ulcer: Acute with perforation

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532.2x - Duodenal ulcer: Acute with hemorrhage and perforation
532.4x - Duodenal ulcer: Chronic or unspecified with hemorrhage
532.6x - Duodenal ulcer: Chronic or unspecified with hemorrhage and perforation
533.0x - Peptic ulcer, site unspecified: Acute with hemorrhage
533.1x - Peptic ulcer, site unspecified: Acute with perforation
533.2x - Peptic ulcer, site unspecified: Acute with hemorrhage and perforation
533.4x - Peptic ulcer, site unspecified: Chronic or unspecified with hemorrhage
533.6x - Peptic ulcer, site unspecified: Chronic or unspecified with hemorrhage and perforation
534.0x - Gastrojejunal ulcer, site unspecified: Acute with hemorrhage
534.1x - Gastrojejunal ulcer, site unspecified: Acute with perforation
534.2x - Gastrojejunal ulcer, site unspecified: Acute with hemorrhage and perforation
534.4x - Gastrojejunal ulcer, site unspecified: Chronic or unspecified with hemorrhage
534.6x - Gastrojejunal ulcer, site unspecified: Chronic or unspecified with hemorrhage and perforation
535.01 - Acute gastritis, with hemorrhage
535.11 - Atrophic gastritis, with hemorrhage
535.21 - Gastric mucosal hypertrophy, with hemorrhage
535.31 - Alcoholic gastritis, with hemorrhage
535.41 - Other specified gastritis, with hemorrhage
535.51 - Unspecified gastritis and gastroduodenitis, with hemorrhage
535.61 - Duodenitis, with hemorrhage
578.9 – Hemorrhage of gastrointestinal tract
eFigure 1. Hospital-Level Probability of Colectomy Patients Receiving at Least 1 Medical Consultation, Stratified by Admission Type

The lower and upper borders of each box indicate the 25th and 75th percentiles, respectively. The middle line of each box indicates the median, and the diamond indicates the mean. The ends of the whiskers represent (1.5)*(interquartile range), and the circles (when present) represent outliers.
eFigure 2. Hospital-Level Probability of THR Patients Receiving at Least 1 Medical Consultation, Stratified by Admission Type

The lower and upper borders of each box indicate the 25th and 75th percentiles, respectively. The middle line of each box indicates the median, and the diamond indicates the mean. The ends of the whiskers represent (1.5)*(interquartile range), and the circles (when present) represent outliers.