

**APPENDIX A. Study variables**

- i. Patient Age** (years)
- ii. Biological sex** (Male/female/intersex)
- iii. Patient BMI** (kg/m<sup>2</sup>)
- iv. Long-term Care Resident** (yes/no)
- v. Number of prescription medications at time of admission from Best Possible Medication History**
- vi. Number of comorbid chronic conditions** (select all that apply)
  - a. Alcohol misuse disorder
  - b. Asthma
  - c. Atrial fibrillation
  - d. Lymphoma
  - e. Non-metastatic cancer (breast, cervical, colorectal, lung, prostate)
  - f. Metastatic cancer
  - g. Chronic heart failure
  - h. Chronic kidney disease
  - i. Chronic pain
  - j. Chronic obstructive pulmonary disease
  - k. Chronic Hep B
  - l. Cirrhosis
  - m. Severe constipation
  - n. Dementia
  - o. Depression
  - p. Diabetes mellitus
  - q. Epilepsy
  - r. Hypertension
  - s. Hypothyroidism
  - t. Inflammatory bowel disease
  - u. Irritable bowel syndrome
  - v. Multiple Sclerosis
  - w. Myocardial infarction
  - x. Parkinson disease
  - y. Peptic ulcer disease
  - z. Peripheral vascular disease
    - i. Intermittent claudication
    - ii. past bypass for chronic arterial insufficiency
    - iii. acute arterial insufficiency
    - iv. untreated thoracic or abdominal aneurysm
  - aa. Psoriasis
  - bb. Rheumatoid arthritis
  - cc. Schizophrenia
  - dd. Stroke or transient ischemic attack

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- vii. **Additional medical history for Charlson Comorbidity Index**
  - a. Connective tissue disease other than RA (yes/no)
    - i. Includes systemic lupus erythematosus, polymyositis, mixed CT disease, polymyalgia rheumatica, vasculitis, sarcoidosis, Sjogren's
  - b. If yes to liver disease, classify as:
    - i. Severe: cirrhosis and portal hypertension with variceal bleeding history
    - ii. Moderate: Cirrhosis and portal hypertension with no variceal bleeding history
    - iii. Mild: chronic hepatitis B or C (or cirrhosis without portal hypertension)
  - c. If yes to diabetes mellitus, classify as
    - i. Diet-controlled
    - ii. Uncomplicated
    - iii. End-organ damage (retinopathy, neuropathy, or nephropathy attributable to DM)
  - d. Hemiplegia (yes/no)
  - e. If yes to CKD, classify as:
    - i. Severe: on dialysis, post-transplant, uremic
    - ii. Moderate: creatinine >3mg/dL (0.27mmol/L)
  - f. Solid tumor (yes/no)
    - i. If yes to solid tumor, specify:
      - 1. Localized
      - 2. Metastatic
  - g. Leukemia (yes/no)
  - h. AIDS (yes/no)
- viii. **Other comorbid mental illness**
  - a. Bipolar disorder
  - b. Anxiety/panic disorders
  - c. Other
- ix. **Surgical procedure performed? (Yes/No)**
  - a. If yes, what surgical procedure?
- x. **Length of stay (# of days)**
- xi. **Need to return to OR? (yes/no)**
  - a. If yes, # of instances
- xii. **Unplanned OR? (Yes/No)**
  - a. If yes, # of instances
- xiii. **Unplanned interventional radiology procedure? (Yes/No)**
  - a. If yes, # of instances
- xiv. **Death in hospital? (Yes/No)**
- xv. **# of physician specialties involved during hospital stay**

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- xvi. **Total # of individual physicians involved**
- xvii. **Non-physician specialty services involved during hospital stay**
  - a. Social work
  - b. Nutrition services (Dietician/nutritionist)
  - c. Respiratory therapy
  - d. PT/OT
- xviii. **Discharge disposition**
  - a. Home
  - b. Home with care
  - c. Transfer to another hospital unit
  - d. LTC
  - e. Death

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<b>APPENDIX B. Surgical group categorization scheme</b>
<b>Laparoscopic surgery</b>
Any non-robot-assisted laparoscopic surgery
<b>Open abdominal surgery</b>
Cystectomy and diversion
Open prostate surgery
Open renal/ureteric surgery
Other open bladder surgery
RPLND
<b>Other open surgery</b>
Artificial urinary sphincter placement/removal
Inguinal nodes
Penile implant surgery
Penile surgery
Sling and tape procedures
Testicular/scrotal surgery
<b>Robot-assisted surgery</b>
Robot-assisted renal surgery
Robot-assisted radical prostatectomy
<b>Cysto +/-non resection procedure</b>
Evacuation of clots
Stent insertion/change
Retrograde pyelogram, loopogram
<b>Transurethral resections</b>
TURP
TURBT
<b>PCNL</b>
<b>Ureteroscopy +/- intervention</b>
<b>Other</b>
Intravesical procedures without resection
Sacroneuromodulator placement/removal
SP catheter insertion
<b>No surgery performed</b>
Any admission without an operation or interventional radiology procedure
<b>IR procedures</b>
Neph tubes, perc drains, biopsies, RFAs, etc., performed by interventional radiology