

Supplemental digital content: Primary reasons for rehospitalizations

<u>Rehospitalization reason</u>	<u>Rehospitalization anytime post-discharge to follow up period</u>		<u>Rehospitalization during first month post discharge*</u>	
	<u>Rehospitalization frequency</u>	<u>Number of individuals involved</u>	<u>Rehospitalization frequency</u>	<u>Number of individuals involved</u>
	<u>(n,%)</u>	<u>(n,%)</u>	<u>(n,%)</u>	<u>(n,%)</u>
Cancer	9 (1%)	6 (<1%)	3 (3%)	2 (2%)
Colon	33%	17%	0%	0%
Cholangiocarcinoma	22%	17%	67%	50%
Abdominal	11%	17%	0%	0%
Bladder	11%	17%	0%	0%
Laryngeal	11%	17%	0%	0%
Lung	11%	17%	33%	50%
Cardiac	38 (5%)	28 (4%)	4 (3%)	4 (4%)
Unknown	32%	25%	0%	0%
Syncope	24%	25%	25%	25%
Chest pain	11%	11%	25%	25%
Myocardial infarction	11%	14%	0%	0%
Congestive heart failure	8%	4%	25%	25%
Stent	5%	7%	0%	0%
Atrial fibrillation	3%	4%	0%	0%
Bradycardia	3%	4%	25%	25%
Cardiac arrest	3%	4%	0%	0%
Pacemaker	3%	4%	0%	0%
Dermatologic	2 (<1%)	1 (1%)	0	0
Pressure ulcer	100%	100%	0%	0%
Endocrine	12 (2%)	7 (1%)	1 (<1%)	1 (<1%)
Diabetes	92%	86%	100%	100%
Pituitary issue	8%	14%	0%	0%
Gastrointestinal	36 (5%)	31 (5%)	6 (5%)	4 (4%)
Feeding tube	19%	21%	33%	40%
Cholecystectomy	17%	18%	33%	40%
Emesis	14%	6%	33%	20%
Hernia/ hernia repair	11%	12%	0%	0%
Cholecystitis	6%	6%	0%	0%
Diverticulitis	6%	6%	0%	0%
Colostomy reversal	6%	6%	0%	0%
Unknown	6%	6%	0%	0%
Abdominal pain	3%	3%	0%	0%
Appendectomy	3%	3%	0%	0%
Autoimmune hepatitis	3%	3%	0%	0%
Gastrointestinal bleed	3%	3%	0%	0%
Hepatic encephalopathy	3%	3%	0%	0%

Pancreatitis	3%	3%	0%	0%
General	47 (6%)	33 (5%)	8 (7%)	7 (7%)
Unknown	38%	50%	63%	63%
Anemia	23%	3%	0%	0%
Thrombocytopenia	9%	6%	0%	0%
Inferior vena cava filter removal	6%	9%	0%	0%
Abdominal wound	4%	6%	0%	0%
Hemorrhage	4%	6%	13%	13%
Pain, location not specified	4%	6%	0%	0%
Bowel fistula	2%	3%	13%	13%
Breast surgery	2%	3%	0%	0%
Decline, reason unknown	2%	3%	0%	0%
Hypotension	2%	3%	13%	13%
Thoracic surgery	2%	3%	0%	0%
Genitourinary/Nephrology	15 (2%)	9 (1%)	3 (3%)	2 (2%)
Nephrolithiasis	53%	44%	100%	100%
Prostate	20%	22%	0%	0%
Renal failure	13%	11%	0%	0%
Kidney transplant	7%	11%	0%	0%
Unknown	7%	11%	0%	0%
Gynecologic	4 (<1%)	3 (<1%)	1 (<1%)	1 (<1%)
Hysterectomy	50%	33%	0%	0%
Miscarriage	25%	33%	100%	100%
Unknown	25%	33%	0%	0%
Infectious	120 (15%)	89 (14%)	21 (18%)	20 (18%)
Unknown	45%	42%	29%	29%
Urinary tract infection	18%	17%	10%	10%
Pneumonia	17%	18%	14%	14%
Empyema	3%	2%	5%	5%
Infected hardware	3%	3%	0%	0%
Methicillin-resistant Staphylococcus aureus	3%	3%	10%	10%
Brain abscess	2%	2%	0%	0%
Clostridium difficile	2%	2%	10%	10%
Sepsis	2%	2%	5%	5%
Staphylococcus	2%	2%	0%	0%
Abscess, location unspecified	<1%	1%	0%	0%
Bone infection	<1%	1%	0%	0%
Pump infection	<1%	1%	0%	0%
Pyelonephritis	<1%	1%	0%	0%
Shunt infection	<1%	1%	5%	5%
Throat infection	<1%	1%	5%	5%
Wound closure	<1%	1%	5%	5%
Injury/External Cause	55 (7%)	49 (8%)	13 (11%)	13 (13%)
Fall	20%	17%	15%	15%
Head trauma (due to fall)	18%	19%	23%	23%

Medication toxicity/side effect	18%	17%	23%	23%
Fracture (due to fall)	13%	14%	23%	23%
Fracture (cause unknown)	7%	8%	8%	8%
Motor vehicle crash (injuries unknown)	7%	8%	0%	0%
Head trauma (cause unknown)	6%	6%	8%	8%
Fracture (due to motor vehicle crash)	4%	4%	0%	0%
Traumatic brain injury	4%	4%	0%	0%
Dog fight	2%	2%	0%	0%
Heat exhaustion	2%	2%	0%	0%
Lymphatic	1 (<1%)	1 (<1%)	1 (<1%)	1 (<1%)
Edema	100%	100%	100%	100%
Neurologic	99 (13%)	84 (13%)	16 (14%)	14 (13%)
Seizure	64%	59%	56%	60%
Non-seizure	16%	19%	19%	20%
Mental status change	5%	6%	6%	7%
Stroke	5%	6%	6%	7%
Headache	4%	5%	0%	0%
Dizziness	2%	2%	0%	0%
Shaking	2%	1%	13%	7%
Spasticity	1%	1%	0%	0%
Unknown	1%	1%	0%	0%
Neurosurgical	84 (11%)	78 (12%)	10 (9%)	10 (9%)
Cranioplasty	60%	60%	70%	70%
Hydrocephalus	7%	8%	0%	0%
Laminectomy/discectomy/fusion /stabilization	6%	6%	0%	0%
Baclofen pump placement/removal/reinsertion	5%	4%	10%	10%
Cerebrospinal fluid leak	5%	4%	0%	0%
Craniotomy	4%	4%	10%	10%
Aneurysm	2%	3%	0%	0%
Brachial plexus	2%	3%	0%	0%
Halo removal/replacement	2%	3%	0%	0%
Nerve graft	2%	3%	0%	0%
Shunt revision/removal	2%	3%	0%	0%
Brain surgery (specific reason unspecified)	1%	1%	10%	10%
Arteriovenous malformation removal	1%	1%	0%	0%
Nutrition and hydration	12 (2%)	12 (2%)	3 (3%)	3 (3%)
Dehydration	75%	75%	33%	33%
Electrolyte abnormality, unspecified	8%	8%	0%	0%
Hypernatremia	8%	8%	33%	33%

Hyponatremia	8%	8%	33%	33%
Orthopedic	51 (7%)	45 (7%)	2 (2%)	2 (2%)
Unknown	33%	34%	50%	50%
Arm	12%	13%	0%	0%
Shoulder surgery	12%	13%	0%	0%
Clavicle	8%	9%	50%	50%
Reconstructive	6%	4%	0%	0%
Elbow	4%	4%	0%	0%
Foot surgery	4%	4%	0%	0%
Heterotopic ossification	4%	4%	0%	0%
Knee surgery	4%	4%	0%	0%
Ankle	2%	2%	0%	0%
Hand surgery	2%	2%	0%	0%
Hip surgery	2%	2%	0%	0%
Thigh surgery	2%	2%	0%	0%
Total hip replacement	2%	2%	0%	0%
Wrist surgery	2%	2%	0%	0%
Otolaryngological	10 (1%)	10 (2%)	0	0
Facial reconstruction	40%	40%	0%	0%
Facial nerve decompression/graft	30%	30%	0%	0%
Neck surgery	10%	10%	0%	0%
Tonsillectomy	10%	10%	0%	0%
Vocal cord procedure	10%	10%	0%	0%
Psychiatric	53 (7%)	43 (7%)	6 (5%)	5 (5%)
Unknown	42%	40%	33%	33%
Addiction rehabilitation (alcohol or drug)	15%	15%	17%	17%
Agitation/aggression	15%	17%	33%	33%
Danger to self and others	13%	13%	0%	0%
Depression	6%	6%	17%	17%
Schizophrenia	4%	2%	0%	0%
Anxiety	2%	2%	0%	0%
Eating disorder	2%	2%	0%	0%
Impulse control	2%	2%	0%	0%
Pulmonary	31 (4%)	22 (3%)	4 (3%)	4 (4%)
Tracheal stenosis/ tracheoplasty	65%	71%	75%	75%
Respiratory distress/hypoxia	19%	17%	0%	0%
Asthma	13%	8%	0%	0%
Lung collapse	3%	4%	25%	25%
Vascular	20 (3%)	19 (3%)	6 (5%)	6 (6%)
Venous thromboembolism (deep venous thrombosis and/or pulmonary embolism)	60%	63%	67%	67%
Hypertension	35%	32%	33%	33%
Dialysis fistula placement	5%	5%	0%	0%
Unknown	76 (10%)	68 (11%)	9 (8%)	9 (8%)

Total	775	638	117*	110*
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*=Approximate date is unknown for 115 (14.8%) rehospitalizations.