

Supplemental table I. Concurrent open procedures with corresponding Current Procedural Terminology (CPT) codes

CPT codes	Definition CPT codes
Open bypass	
35556	Bypass graft, with vein; femoral-popliteal
35565	Bypass graft, with vein; iliofemoral
35566	Bypass graft, with vein; femoral-anterior tibial, posterior tibial, peroneal artery or other distal vessels
35570	Bypass graft, with vein; tibial-tibial, peroneal-tibial, or tibial/peroneal trunk-tibial
35571	Bypass graft, with vein; popliteal-tibial, -peroneal artery or other distal vessels
35583	In-situ vein bypass; femoral-popliteal □
35585	In-situ vein bypass; femoral-anterior tibial, posterior tibial, or peroneal artery
35587	In-situ vein bypass; popliteal-tibial, peroneal
35651	Bypass graft, with other than vein; aortofemoral-popliteal
35656	Bypass graft, with other than vein; femoral-popliteal
35661	Bypass graft, with other than vein; femoral-femoral
35665	Bypass graft, with other than vein; iliofemoral
35666	Bypass graft, with other than vein; femoral-anterior tibial, posterior tibial, or peroneal artery
35671	Bypass graft, with other than vein; popliteal-tibial or -peroneal artery
Thromboendarterectomy	
35302	Thromboendarterectomy, including patch graft, if performed; superficial femoral artery
35303	Thromboendarterectomy, including patch graft, if performed; popliteal artery
35304	Thromboendarterectomy, including patch graft, if performed; tibioperoneal trunk artery
35305	Thromboendarterectomy, including patch graft, if performed; tibial or peroneal artery, initial vessel
35306	Thromboendarterectomy, including patch graft, if performed; each additional tibial or peroneal artery (List separately in addition to code for primary procedure)
35351	Thromboendarterectomy, with or without patch graft; iliac
35355	Thromboendarterectomy, with or without patch graft; iliofemoral
35371	Thromboendarterectomy, with or without patch graft; common femoral
35372	Thromboendarterectomy, with or without patch graft; deep (profunda) femoral
35381	Thromboendarterectomy, with or without patch graft; femoral and/or popliteal, and/or tibioperoneal

Supplemental table II. Indications of related unplanned readmissions based on NSQIP complication variables and International Classification of Diseases (ICD)-9 codes

Variables	NSQIP complication variables	ICD-9 code	Definition ICD-9 code
Limb-related readmission			
Infection or wound complication			
	Superficial Incisional SSI	440.23	Atherosclerosis of native arteries of the extremities with ulceration
	Deep Incisional SSI	440.24	Atherosclerosis of native arteries of the extremities with gangrene
	Organ/Space SSI	681.10	Unspecified cellulitis and abscess toe
	Wound Disruption	682.6	Cellulitis and abscess of leg except foot
		682.7	Cellulitis and abscess of leg except toes
		682.9	Cellulitis and abscess of unspecified sites
		686.9	Unspecified local infection of skin and subcutaneous tissue
		707.15	Ulcer of other part of foot
		730.07	Acute osteomyelitis involving ankle and foot
		785.4	Gangrene
		997.62	Infection (chronic) of amputation stump
		998.30	Disruption of wound
		998.59	Other postoperative infection
		998.83	Non-healing surgical wound
		L03.115	Cellulitis of right lower limb
Recurrent symptoms of peripheral vascular disease			
		440.20	Atherosclerosis of native arteries of the extremities unspecified
		440.21	Atherosclerosis of native arteries of the extremities with intermittent claudication
		440.22	Atherosclerosis of native arteries of the extremities with rest pain
		440.29	Other atherosclerosis of native arteries of the extremities
		440.30	Atherosclerosis of unspecified bypass graft
		440.31	Atherosclerosis of autologous vein bypass graft
		440.4	Chronic total occlusion of artery of the extremities
		443.9	Peripheral vascular disease unspecified
		444.22	Arterial embolism and thrombosis of lower extremity
		459.9	Peripheral occlusion combined with diabetes
		729.5	Pain in limb
		729.81	Swelling of limb
Other vascular complications			
	Bleeding Requiring Transfusion	338.18	Other acute postoperative pain
	DVT Requiring Therapy	442.30	Aneurysm of artery of lower extremity
		453.41	Acute venous embolism and thrombosis of deep vessel of proximal lower extremity
		996.1	Mechanical complication of other vascular device, implant, and graft
		996.59	Mechanical complication of other implant and internal device not elsewhere classified
		996.74	Other complications due to other vascular device, implant, and graft
		997.2	Peripheral vascular complications not elsewhere classified
		997.69	Other late amputation stump complication
		998.11	Hemorrhage complicating a procedure
		998.12	Hematoma complicating a procedure
		998.13	Seroma complicating a procedure
		E878.5	Amputation of limb(s) causing abnormal patient reaction or later complication without misadventure at time of operation
		V49.75	Below knee amputation status

Sepsis			
	Sepsis Septic Shock	038.9	Unspecified septicemia (sepsis)
Other readmission			
	Pneumonia	250.60	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled
	Pulmonary Embolism	250.70	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled
	On ventilator > 48 hours	250.80	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled
	Myocardial Infarction	285.9	Anemia, unspecified
	Cardiac Arrest Requiring CPR	427.31	Atrial fibrillation
	CVA	428.0	Congestive heart failure
	Acute Renal Failure	428.21	Acute systolic heart failure
	Progressive Renal Insufficiency	428.33	Acute on chronic diastolic heart failure
	Urinary Tract Infection	442.90	Other aneurysm of unspecified site
		444.00	Other arterial embolism and thrombosis of abdominal aorta
		458.29	Other iatrogenic hypotension
		459.0	Hemorrhage unspecified
		491.21	Obstructive chronic bronchitis with (acute) exacerbation
		507.0	Pneumonitis due to inhalation of food or vomitus
		518.81	Acute respiratory failure
		531.40	Chronic or unspecified gastric ulcer with hemorrhage without obstruction
		557.0	Acute vascular insufficiency of intestine
		569.85	Angiodysplasia of intestine with hemorrhage
		578.00	Hematemesis
		578.9	Hemorrhage of gastrointestinal tract, unspecified
		730.0	Acute osteomyelitis site unspecified
		780.20	Syncope and collapse
		780.60	Fever, unspecified
		786.05	Shortness of breath
		786.09	Respiratory abnormality other
		786.5	Chest pain, unspecified
		878.50	Open wound of vulva complicated
		790.01	Precipitous drop in hematocrit
		965.09	Poisoning by other opiates and related narcotics