

TABLE E-1 ICD-9-CM Codes Used to Define Specified Outcomes After Total Knee Arthroplasty

Complication	Diagnosis Codes	Procedure Codes
Death within 30 d	Master Death Registry	
Medical complications within 30 d		
Myocardial infarction	410.x1	
Myocardial infarction, coronary artery bypass graft, stent, or shock	410.x1 or 998.0	Or (35.0x or 36.10-36.19)
Ischemic stroke	997.02, 433.x1, or 434.x1	
Perioperative complication		
Cardiac	997.1	
Respiratory	997.3	
Digestive	997.4 or 560.1	
Urinary	997.5	
Medical complications within 60 d		
Pulmonary embolism	415.11, 415.19	
Deep-vein thrombosis	451.11, 451.19, 451.81, 451.83, 451.89, 453.40-453.42, 453.8, or 453.9	
Minor orthopaedic complications within 1 yr		
Prosthetic joint infection within 30 d	996.66, 996.67, or 998.59	And (00.84, 80.16, 86.22, 80.76, or 80.86)
Hematoma	998.12 or 719.16	
Other knee infection	730.26, 998.51, 711.06, 682.6, 996.66, or 996.67	No surgery
Other postoperative infection	(998.59 and [041.11, 041.12, 041.19, or 041.7]) or 707.0 or 599.0	
Major orthopaedic complications within 1 yr		
Prosthetic joint infection	996.66, 996.67 or 998.59	And (revision [81.55, 00.80-00.83, 80.06, or 84.17] or [00.84, 80.16, 86.22, 80.76, or 80.86 \geq 30 days after total knee arthroplasty])
Mechanical malfunction with revision	996.4x, 718.56, 718.36, 996.77, or 996.78	And revision (81.55, 78.67, 78.55, 77.86, 79.06, or 80.46)
Mechanical malfunction requiring intervention	996.4x, 718.56, 718.36, 996.77, or 996.78	And (93.26 or 93.16)