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Appendix table A. Definition of indication and outcomes

Indication	ICD 10	Description
Osteoarthritis	M1991	Primary osteoarthritis, unspecified site
	M1907*	Primary osteoarthritis ankle and foot
	M150	Primary generalized (osteo)arthritis
	M1993	Secondary osteoarthritis, unspecified site
	M1927*	Secondary osteoarthritis, ankle and foot
	M153	Secondary multiple arthritis
	M154	Erosive (osteo)arthritis
	M158	Other polyosteoarthritis
	M159	Polyosteoarthritis, unspecified
	M1990	Unspecified osteoarthritis, unspecified site
Traumatic arthritis	M1993	Secondary osteoarthritis, unspecified site
	M1927*	Secondary osteoarthritis, ankle and foot
	M1250	Traumatic arthropathy, unspecified site
	M1257*	Traumatic arthropathy, ankle and foot
Rheumatic arthritis	M1259	Traumatic arthropathy, multiple sites
	M05*0*	Rheumatoid arthritis with rheumatoid factor, unspecified site
	M05*7*	Rheumatoid arthritis with rheumatoid factor, ankle and foot
	M05*9*	Rheumatoid arthritis with rheumatoid factor, multiple sites
	M059	Rheumatoid arthritis with rheumatoid factor, unspecified
	M069	Rheumatoid arthritis, unspecified
	M0600*	Rheumatoid arthritis without rheumatoid factor, unspecified site
	M0607*	Rheumatoid arthritis without rheumatoid factor, ankle and foot
	M0609*	Rheumatoid arthritis without rheumatoid factor, multiple sites
	M0680*	Other specified rheumatoid arthritis, unspecified site
	M0687*	Other specified rheumatoid arthritis, ankle and foot
	M0689*	Other specified rheumatoid arthritis, multiple sites
	M0800*	Unspecified juvenile rheumatoid arthritis, unspecified site
	M0807*	Unspecified juvenile rheumatoid arthritis, ankle and foot
	M0809*	Unspecified juvenile rheumatoid arthritis, multiple sites
	M0820*	Juvenile rheumatoid arthritis with systemic onset, unspecified site
	M0827*	Juvenile rheumatoid arthritis with systemic onset, ankle and foot
	M0829*	Juvenile rheumatoid arthritis with systemic onset, multiple sites
	M0840*	Pauciarticular juvenile rheumatoid arthritis, unspecified site
	M0847*	Pauciarticular juvenile rheumatoid arthritis, ankle and foot
	M0849*	Pauciarticular juvenile rheumatoid arthritis, multiple sites
Neuropathic or diabetic	M1200*	Chronic postrheumatic arthropathy [Jaccoud], unspecified site
	M1207*	Chronic postrheumatic arthropathy [Jaccoud], ankle and foot
	M1209*	Chronic postrheumatic arthropathy [Jaccoud], multiple sites
	A5216	Charcôt's arthropathy (tabetic)
	M1460	Charcôt's joint, unspecified site
	M1467*	Charcôt's joint, ankle and foot
	M1469	Charcôt's joint, multiple sites
	E1061*	Type 1 diabetes mellitus with diabetic arthropathy
	E1161*	Type 2 diabetes mellitus with diabetic arthropathy

	E1361*	Other specified diabetes mellitus with diabetic arthropathy
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	ICD 10	Description
In-hospital outcomes		
Nerve injury	S74****	Injury of nerves at hip and thigh level
	S84****	Injury of nerves at lower leg level
	S94****	Injury of nerves at ankle and foot level
Wound complication	T8130**	Disruption of wound, unspecified
	T8131**	Disruption of external operation wound, not elsewhere classified
	T8132**	Disruption of internal operation wound, not elsewhere classified
	S910***	Open wound of ankle
	S913***	Open wound of foot
	S911***	Open wound of toe without damage to nail
	S912***	Open wound of toe with damage to nail
Postoperative infection	T8140**	Infection following a procedure, unspecified
	T8141**	Infection following a procedure, superficial incisional surgical site
	T8142**	Infection following a procedure, deep incisional surgical site
	T8143**	Infection following a procedure, organ and space surgical site
	T8144**	Sepsis following a procedure
	T8149**	Infection following a procedure, other surgical site
	T814XX*	Infection following a procedure
Vascular injury	T81718*	Complication of other artery following a procedure, not elsewhere classified
	T81719*	Complication of unspecified artery following a procedure, not elsewhere classified
	T8172**	Complication of vein following a procedure, not elsewhere classified
	S85****	Injury of blood vessels at lower leg level
	S95****	Injury of blood vessels at ankle and foot level
	04QM***	Repair Right Popliteal Artery
	04QN***	Repair Left Popliteal Artery
	04QP***	Repair Right Anterior Tibial Artery
	04QQ***	Repair Left Anterior Tibial Artery
	04QR***	Repair Right Posterior Tibial Artery
	04QS***	Repair Left Posterior Tibial Artery
	04QT***	Repair Right Peroneal Artery
	04QU***	Repair Left Peroneal Artery
	04QV***	Repair Right Foot Artery
	04QW***	Repair Left Foot Artery
	04QY***	Repair Lower Artery
Deep venous thrombosis	I824**	Acute embolism and thrombosis of deep veins of lower extremity
Pulmonary embolism	I2601	Septic pulmonary embolism with acute cor pulmonale
	I2602	Saddle embolus of pulmonary artery with acute cor pulmonale
	I2609	Other pulmonary embolism with acute cor pulmonale
	I2690	Septic pulmonary embolism without acute cor pulmonale
	I2692	Saddle embolus of pulmonary artery without acute cor pulmonale
	I2693	Single subsegmental pulmonary embolism without acute cor pulmonale
	I2694	Multiple subsegmental pulmonary emboli without acute cor pulmonale
	I2699	Other pulmonary embolism without acute cor pulmonale

	ICD 10	Description
Long-term outcomes		
Amputation below knee	OY6H***	Detachment of lower extremities, Lower Leg, Right
	OY6J***	Detachment of lower extremities, Lower Leg, Left
	OY6M***	Detachment of lower extremities, Foot, Right
	OY6N***	Detachment of lower extremities, Foot, Left
Revision	OSW****	Revision ankle joint
	OSP****	Removal ankle joint
	OSRF0J9, OSRG0J9	Replacement of Ankle Joint with Synthetic Substitute, Cemented, Open Approach
	OSRF0JA, OSRG0JA	Replacement of Ankle Joint with Synthetic Substitute, Uncemented, Open Approach
	OSRF0JZ, OSRG0JZ	Replacement of Right Ankle Joint with Synthetic Substitute, Open Approach
	OSG****	Ankle Fusion
Diagnosis associated with reintervention		
Fracture	S825***	Fracture of medial malleolus
	S826***	Fracture of lateral malleolus
	S8284**	Bimalleolar fracture of lower leg
	S8285**	Trimalleolar fracture of lower leg
	S8286**	Maisonneuve's fracture
	S8287**	Pilon fracture of tibia
	S8289**	Other fractures of lower leg
Device mechanical comp	T84038*	Mechanical loosening of other internal prosthetic joint
	T84039*	Mechanical loosening of unspecified internal prosthetic joint
	T84028*	Dislocation of other internal joint prosthesis
	T84029*	Dislocation of unspecified internal joint prosthesis
	T84018*	Broken internal joint prosthesis, other site
	T84019*	Broken internal joint prosthesis, unspecified site
	M972***	Periprosthetic fracture around internal prosthetic ankle joint
	M978***	Periprosthetic fracture around other internal prosthetic joint
	M979***	Periprosthetic fracture around unspecified internal prosthetic joint
	T84048*	Periprosthetic fracture around other internal prosthetic joint
	T84049*	Periprosthetic fracture around unspecified internal prosthetic joint
	T84058*	Periprosthetic osteolysis of other internal prosthetic joint
	T84059*	Periprosthetic osteolysis of unspecified internal prosthetic joint
	T84068*	Wear of articular bearing surface of other internal prosthetic joint
	T84069*	Wear of articular bearing surface of unspecified internal prosthetic joint
	T84116*, T84117*, T84119*	Breakdown (mechanical) of internal fixation device of bones of lower limb or unspecified limb
	T84126*, T84127*, T84129*	Displacement of internal fixation device of bones of lower limb or unspecified limb
	T84196*, T84197*, T84199*	Other mechanical complications internal fixation device of bones of lower limb or unspecified limb
	T84213*	Breakdown (mechanical) of internal fixation device of foot and

		toes
	T84223*	Displacement of internal fixation device of bones of foot and toes
	T84293*	Other mechanical complications internal fixation device of of foot and toes
	T84318*	Breakdown (mechanical) of other bone devices, implants and grafts
	T84328*	Displacement of other bone devices, implants and grafts
	T84398*	Other mechanical complications of other bone devices, implants and grafts
	T84418*	Breakdown (mechanical) of other internal orthopedic devices, implants and grafts
	T84428*	Displacement of other internal orthopedic devices, implants and grafts
	T84498*	Other mechanical complications of other internal orthopedic devices, implants and grafts
	T8489**	Other specified complication of internal orthopedic prosthetic devices, implants and grafts
	T849***	Unspecified complication of internal orthopedic prosthetic device, implant and graft
Device infection	T8450**	Infection and inflammatory reaction due to unspecified internal joint prosthesis
	T8459**	Infection and inflammatory reaction due to other internal joint prosthesis
	T8462**	Infection and inflammatory reaction due to internal fixation device of leg
	T8469**	Infection and inflammatory reaction due to internal fixation device of other site
	T847***	Infection and inflammatory reaction due to other internal orthopedic prosthetic devices, implants and grafts
Pseudoarthrosis	M960	Pseudarthrosis after fusion or arthrodesis