

Table 1.10.4: Musculoskeletal System Procedures Performed More than 12,000 Times, United States 2011

<u>ICD-9-CM Code</u>	<u>Description</u>	<u>Number of Procedures (Subgroup)</u>	<u>Total Number of Procedures</u>
81.54	Total knee replacement		645,062
81.62	Fusion or refusion of 2-3 vertebrae		378,844
80.51	Excision of intervertebral disc (discectomy)		368,240
81.51	Total hip replacement		306,600
84.51	Insertion of interbody spinal fusion device (coded with spinal fusion or refusion)		279,323
77.79	Excision of bone for graft, Other (pelvic bones, phalanges, vertebrae)		214,105
81.07	Lumbar and lumbosacral fusion of the posterior column, lateral transverse process technique		165,665
81.02	Other cervical fusion, anterior technique (arthrodesis of C2 level or below)		159,781
79.35	Open reduction of fracture with internal fixation, Femur		146,022
79.36	Open reduction of fracture with internal fixation, Tibia and fibula		139,197
81.52	Partial hip replacement		105,509
84.52	Insertion of recombinant bone morphogenetic protein		103,260
81.63	Fusion or refusion of 4-8 vertebrae		86,169
79.15	Closed reduction of fracture with internal fixation, Femur		82,565
81.91	Arthrocentesis (joint aspiration)		82,050
All codes	Revision of knee replacement		73,365
00.80	Revision of knee replacement, total (all components)	25,853	
00.81	Revision of knee replacement, tibial component	15,494	
00.82	Revision of knee replacement, femoral component	11,358	
00.83	Revision of knee replacement, patellar component	5,235	
00.84	Revision of total knee replacement, tibial insert (linear)	11,222	
81.55	Revision of knee replacement, not otherwise specified	4,203	
81.08	Lumbar and lumbosacral fusion of the anterior column, posterior technique		70,119
84.11	Amputation of toe		67,130
78.69	Removal of implanted devices from bone, Other (pelvic bones, phalanges, vertebrae)		55,852
All codes	Revision of hip replacement		50,839
00.70	Revision of hip replacement, both acetabular and femoral components	23,685	
00.71	Revision of hip replacement, acetabular component	8,685	
00.72	Revision of hip replacement, femoral component	8,040	
00.73	Revision of hip replacement, acetabular liner and/or femoral head only	7,916	
81.53	Revision hip replacement, not otherwise specified	2,513	
79.32	Open reduction of fracture with internal fixation, Radius and ulna		49,155
81.06	Lumbar and lumbosacral fusion, anterior technique		48,138
83.45	Other excision of muscle, tendon, and fascia, other myectomy (debridement of muscle NOS)		47,975
81.92	Injection of therapeutic substance into joint or ligament		47,879
78.55	Internal fixation of bone without fracture reduction, Femur		40,428
78.65	Removal of implanted devices from bone, Tibia and Fibula		40,428
79.31	Open reduction of fracture with internal fixation, Humerus		40,238
84.15	Other amputations below knee		34,071
77.49	Biopsy of bone (other)		33,599
81.05	Dorsal and dorsolumbar fusion, posterior technique		32,585
79.06	Closed reduction of fracture without internal fixation, Tibia and Fibula (Leg NOS)		29,983
78.67	Removal of implanted devices from bone, Femur		29,674
81.80	Total shoulder replacement		29,414
81.03	Other cervical fusion of the posterior column		29,089
77.69	Local excision of tissue or bone, Other (pelvic, phalanges of foot or hand, vertebrae)		28,042
81.66	Percutaneous vertebral augmentation (Vertebroplasty, Kyphoplasty)		27,213
84.17	Amputation above knee		25,537
83.09	Other incision of soft tissue		25,103
79.66	Debridement of open fracture site, Tibia and Fibula (Leg NOS)		21,359
78.17	Application of external fixation device, Tibia and Fibulas		18,331
79.39	Open reduction of fracture with internal fixation, Other Specified Bone		17,788
79.02	Closed reduction of fracture without internal fixation, Radius and Ulna (Arm NOS)		17,340
79.37	Open reduction of fracture with internal fixation, Tarsals and Metatarsals		13,330
83.63	Rotator cuff repair		12,908

Source: HCUP Nationwide Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2011. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/nisoverview.jsp.