

Appendix

TABLE E-1 Included Alternative Primary Diagnoses

ICD-9-CM Code	Diagnosis*
716.91	Arthropathy NOS, shoulder
716.95	Arthropathy NOS, pelvis
716.96	Arthropathy NOS, lower leg
719.45	Joint pain, pelvis
719.91	Joint disease NOS, shoulder

*NOS = not otherwise specified.

TABLE E-2 Excluded Diagnoses*

ICD-9-CM Code	Diagnosis	ICD-9-CM Code	Diagnosis	ICD-9-CM Code	Diagnosis	ICD-9-CM Code	Diagnosis
274	Gouty arthropathy NOS	696	Psoriatic arthropathy	711.03	Pyogen arthritis-forearm	711.38	Dysenter arthritis NEC
274.01	Acute gouty arthropathy	696.1	Other psoriasis	711.04	Pyogen arthritis-hand	711.4	Bact arthritis-unspec
274.02	Chr gouty arthropathy w/o tophi	696.2	Parapsoriasis	711.05	Pyogen arthritis-pelvis	711.46	Bact arthritis-l/leg
274.03	Chr gouty arthropathy w tophi	696.3	Pityriasis rosea	711.06	Pyogen arthritis-l/leg	711.5	Viral arthritis-unspec
274.1	Gouty nephropathy NOS	696.4	Pityriasis rubra pilaris	711.07	Pyogen arthritis-ankle	711.55	Viral arthritis-pelvis
274.11	Uric acid nephrolithiasis	696.5	Pityriasis NEC & NOS	711.08	Pyogen arthritis NEC	711.56	Viral arthritis-l/leg
274.19	Gouty nephropathy NEC	696.8	Psorias related dis NEC	711.09	Pyogen arthritis-mult	711.58	Viral arthritis NEC
274.81	Gouty tophi of ear	710	Syst lupus erythematosus	711.1	Reiter arthritis-unspec	711.59	Viral arthritis-mult
274.82	Gouty tophi site NEC	710.1	Systemic sclerosis	711.13	Reiter arthritis-forearm	711.66	Mycotic arthritis-l/leg
274.89	Gout w manifestation NEC	710.2	Sicca syndrome	711.16	Reiter arthritis-l/leg	711.67	Mycotic arthritis-ankle
274.9	Gout NOS	710.3	Dermatomyositis	711.17	Reiter arthritis-ankle	711.69	Mycotic arthritis-mult
282.6	Sickle-cell anemia NOS (after Oct 1, 2003)	710.4	Polymyositis	711.18	Reiter arthritis NEC	711.8	Inf arthritis NEC-unspec
282.61	Hb-SS disease w/o crisis (after Oct 1, 2003)	710.5	Eosinophilia myalgia synd	711.19	Reiter arthritis-mult	711.81	Inf arthritis NEC-shlder
282.62	Hb-SS disease w crisis (after Oct 1, 2003)	710.8	Diff connect tis dis NEC	711.2	Behcet arthritis-unspec	711.82	Inf arthritis NEC-up/arm
282.63	Sickle-cell/Hb-C disease w/o crisis (after Oct 1, 2003)	710.9	Diff connect tis dis NOS	711.26	Behcet arthritis-l/leg	711.83	Inf arthritis NEC-forearm
282.64	Sickle-cell/Hb-C disease with crisis (after Oct 1, 2003)	711	Pyogen arthritis-unspec	711.28	Behcet arthritis NEC	711.84	Inf arthritis NEC-hand
282.68	Other sickle-cell w/o crisis (after Oct 1, 2003)	711.01	Pyogen arthritis-shlder	711.29	Behcet arthritis-mult	711.85	Inf arthritis NEC-pelvis
282.69	Sickle-cell anemia NEC (after Oct 1, 2003)	711.02	Pyogen arthritis-up/arm	711.3	Dysenter arthritis-unspec	711.86	Inf arthritis NEC-l/leg
730.13	Chr osteomyelit-forearm	730.31	Periostitis-shlder	730.95	Bone infect NOS-pelvis	711.87	Inf arthritis NEC-ankle
730.14	Chr osteomyelitis-hand	730.32	Periostitis-up/arm	730.96	Bone infect NOS-l/leg	711.88	Inf arthritis NEC-oth site
730.15	Chr osteomyelitis-pelvis	730.35	Periostitis-pelvis	730.97	Bone infect NOS-ankle	711.89	Inf arthritis NEC-mult
730.16	Chr osteomyelitis-l/leg	730.36	Periostitis-l/leg	730.98	Bone infect NOS-oth site	711.9	Inf arthritis NOS-unspec
730.17	Chr osteomyelitis-ankle	730.37	Periostitis-ankle	730.99	Bone infect NOS-mult	711.91	Inf arthritis NOS-shlder
730.18	Chr osteomyelitis NEC	730.38	Periostitis NEC	733.4	Asept necrosis bone NOS	711.92	Inf arthritis NOS-up/arm
730.19	Chr osteomyelitis-mult	730.7	Polio osteopathy-unspec	733.41	Aseptic necrosis-humerus	711.93	Inf arthritis NOS-forearm
730.2	Osteomyelitis NOS-unspec	730.72	Polio osteopathy-up/arm	733.42	Aseptic necrosis-femur	711.94	Inf arthritis NOS-hand
730.21	Osteomyelitis NOS-shlder	730.8	Bone infect NEC-unspec	733.43	Asept necrosis-femur condyl	711.95	Inf arthritis NOS-pelvis
730.22	Osteomyelitis NOS-up/arm	730.81	Bone infect NEC-shlder	733.44	Aseptic necrosis-talus	711.96	Inf arthritis NOS-l/leg
730.23	Osteomyelitis NOS-	730.86	Bone infect NEC-	733.45	Aseptic	711.97	Inf arthritis

	forearm		l/leg		necrosis- jaw		NOS-ankle
730.24	Osteomyelitis NOS-hand	730.87	Bone infect NEC-ankle	733.49	Asept necrosis bone NEC	711.98	Inf arthritis NOS-oth site
730.25	Osteomyelitis NOS-pelvis	730.88	Bone infect NEC-oth site	733.81	Malunion of fracture	711.99	Inf arthritis NOS-mult
730.26	Osteomyelitis NOS-l/leg	730.89	Bone infect NEC-mult	733.82	Nonunion of fracture	712.1	Dicalc phos cryst-unspec
730.27	Osteomyelitis NOS-ankle	730.91	Bone infect NOS-shldr	736	Forearm deformity NOS	712.12	Dicalc phos cryst-up/arm
730.28	Osteomyelit NOS-oth site	730.92	Bone infect NOS-up/arm	736.01	Cubitus valgus	712.13	Dicalc phos cryst-forearm
730.29	Osteomyelitis NOS-mult	730.94	Bone infect NOS-hand	736.02	Cubitus varus	712.14	Dicalc phos cryst-hand
736.5	Genu recurvatum	736.75	Acq cavovarus deformity	736.03	Valgus deformity-wrist	712.16	Dicalc phos cryst-l/leg
736.6	Acq knee deformity NEC	736.76	Calcaneus deformity NEC	736.04	Varus deformity-wrist	736.1	Mallet finger
736.7	Acq ankle-foot deformity NOS	736.79	Acq ankle-foot deformity NEC	736.05	Wrist drop	736.2	Acq finger deformity NOS
736.71	Acq equinovarus	736.81	Unequal leg length	736.06	Claw hand	736.21	Boutonniere deformity
736.72	Acq equinus deformity	736.89	Oth acq limb deformity	736.07	Clubhand, acq	736.22	Swan-neck deformity
736.73	Cavus deformity-foot	736.9	Acq limb deformity NOS	736.09	Forearm deformity NEC	736.29	Acq finger deformity NEC
736.74	Acq claw foot	718.18	Loose body-joint NEC	718.32	Recur dislocat-up/arm	736.3	Acq hip deformity NOS
718.01	Artic cartil dis-shldr	718.19	Loose body-mult joints	718.33	Recur dislocat-forearm	736.31	Coxa valga
718.02	Artic cartil dis-up/arm	718.21	Pathol dislocat-shldr	718.34	Recur dislocat-hand	736.32	Coxa vara
718.03	Artic cartil dis-forearm	718.22	Pathol dislocat-up/arm	718.35	Recur dislocat-pelvis	736.39	Acq hip deformity NEC
718.05	Artic cartil dis-pelvis	718.23	Pathol dislocat-forearm	718.36	Recur dislocat-l/leg	736.41	Genu valgum
718.07	Artic cartil dis-ankle	718.24	Pathol dislocat-hand	718.37	Recur dislocat-ankle	736.42	Genu varum
718.08	Artic cartil dis-jt NEC	718.25	Pathol dislocat-pelvis	718.38	Recur dislocat-jt NEC	718.46	Jt contracture-l/leg
718.1	Loose body-unspec	718.26	Pathol dislocat-l/leg	718.39	Recur dislocat-mult jts	718.47	Jt contracture-ankle
718.11	Loose body-shldr	718.27	Pathol dislocat-ankle	718.4	Jt contracture-unspec	718.48	Jt contracture-jt NEC
718.12	Loose body-up/arm	718.28	Pathol dislocat-jt NEC	718.41	Jt contracture-shldr	718.49	Jt contracture-mult jts
718.13	Loose body-forearm	718.29	Pathol dislocat-mult jts	718.42	Jt contracture-up/arm	718.5	Ankylosis-unspec
718.14	Loose body-hand	718.3	Recur dislocat-unspec	718.43	Jt contracture-forearm	718.51	Ankylosis-shoulder
718.15	Loose body-pelvis	718.31	Recur dislocat-shldr	718.44	Jt contracture-hand	718.52	Ankylosis-upper/arm
718.17	Loose body-ankle	718.56	Ankylosis-l/leg	718.45	Jt contracture-pelvis	718.55	Ankylosis-pelvis
718.57	Ankylosis-ankle	718.58	Ankylosis-joint NEC	718.59	Ankylosis-mult joints	718.65	Protrusio acetabuli NOS
718.71	Dev dislocat joint-shldr	718.73	Dev dislocat jt-forearm	718.75	Dev dislocat jt-pelvis/thigh	718.76	Dev disloc jt-l/leg
718.77	Dev disloc jt-ankle/foot	718.8	Jt derangmnt NEC- unsp jt	718.81	Jt derangement NEC-shldr		

*NOS = not otherwise specified, and NEC = not elsewhere classifiable.

TABLE E-3 Excluded Procedures

ICD-9-CM Code	Diagnosis	ICD-9-CM Code	Diagnosis	ICD-9-CM Code	Diagnosis
81.52	Partial hip replacement	0.72	Femoral component revision (hip)	0.84	Tibial insert exchange
81.53	Revision hip replacement NOS*	0.73	Isolated head/liner revision (hip)	81.97	Revision of upper extremity joint
81.55	Revision knee replacement	0.8	All-component revision (knee)	81.81	Shoulder hemiarthroplasty (partial shoulder replacement)
0.7	All-component revision (hip)	0.81	Tibial component revision (knee)	81.83	Revision shoulder arthroplasty
0.71	Acetabular component revision (hip)	0.82	Femoral component revision (knee)	80.05	Arthrotomy/removal
0.72	Femoral component revision (hip)	0.83	Patellar component revision (knee)		

*NOS = not otherwise specified.