

Centers for Medicare & Medicaid Services

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Back to Local Coverage Determinations (LCDs) for Noridian Healthcare Solutions, LLC (Noridian Healthcare Solutions, LLC (03102, A and B MAC, J - F))

Local Coverage Determination (LCD): Total Hip Arthroplasty (L36573)

- Contractor Information

CONTRACTOR NAME	CONTRACT TYPE	CONTRACT NUMBER	JURISDICTION	STATE(S)
Noridian Healthcare Solutions, LLC	A and B MAC	02101 - MAC A	J - F	Alaska
Noridian Healthcare Solutions, LLC	A and B MAC	02102 - MAC B	J - F	Alaska
Noridian Healthcare Solutions, LLC	A and B MAC	02201 - MAC A	J - F	Idaho
Noridian Healthcare Solutions, LLC	A and B MAC	02202 - MAC B	J - F	Idaho
Noridian Healthcare Solutions, LLC	A and B MAC	02301 - MAC A	J - F	Oregon
Noridian Healthcare Solutions, LLC	A and B MAC	02302 - MAC B	J - F	Oregon
Noridian Healthcare Solutions, LLC	A and B MAC	02401 - MAC A	J - F	Washington
Noridian Healthcare Solutions, LLC	A and B MAC	02402 - MAC B	J - F	Washington
Noridian Healthcare Solutions, LLC	A and B MAC	03101 - MAC A	J - F	Arizona
Noridian Healthcare Solutions, LLC	A and B MAC	03102 - MAC B	J - F	Arizona
Noridian Healthcare Solutions, LLC	A and B MAC	03201 - MAC A	J - F	Montana
Noridian Healthcare Solutions, LLC	A and B MAC	03202 - MAC B	J - F	Montana
Noridian Healthcare Solutions, LLC	A and B MAC	03301 - MAC A	J - F	North Dakota
Noridian Healthcare Solutions, LLC	A and B MAC	03302 - MAC B	J - F	North Dakota
Noridian Healthcare Solutions, LLC	A and B MAC	03401 - MAC A	J - F	South Dakota
Noridian Healthcare Solutions, LLC	A and B MAC	03402 - MAC B	J - F	South Dakota
Noridian Healthcare Solutions, LLC	A and B MAC	03501 - MAC A	J - F	Utah
Noridian Healthcare Solutions, LLC	A and B MAC	03502 - MAC B	J - F	Utah

Noridian Healthcare Solutions, LLC	A and B MAC	03601 - MAC A	J - F	Wyoming
Noridian Healthcare Solutions, LLC	A and B MAC	03602 - MAC B	J - F	Wyoming

- LCD Information

Document Information

LCD ID

L36573

LCD Title

Total Hip Arthroplasty

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Original Effective Date

For services performed on or after 09/07/2016

Revision Effective Date

For services performed on or after 10/01/2016

Revision Ending Date

N/A

Retirement Date

N/A

Notice Period Start Date

07/22/2016

Notice Period End Date

09/06/2016

CMS National Coverage Policy

Language quoted from the Centers for Medicare & Medicaid Services (CMS) National Coverage Determinations (NCDs) and coverage provisions in interpretive manuals is italicized throughout the policy. NCDs and coverage provisions in interpretive manuals are not subject to the Local Coverage Determination (LCD) Review Process (42 CFR 405.860[b] and 42 CFR 426 [Subpart D]). In addition, an administrative law judge may not review a NCD. See §1869(f)(1)(A)(i) of the Social Security Act.

Title XVIII of the Social Security Act, §1862 (a)(1)(A) allows coverage and payment for only those services that are considered to be reasonable and necessary for the diagnosis or treatment of illness or injury or to improve the functioning of a malformed body member.

Title XVIII of the Social Security Act, §1833(e) prohibits Medicare payment for any claim which lacks the necessary information to process the claim.

Title 21, Code of Federal Regulations, Chapter 1, Subchapter H, Part 888 orthopedic devices, arthroscopy

Title 42, Code of Federal Regulations, §482.24

CMS Manual System, Pub 100-08, *Medicare Program Integrity Manual*, Chapter 6, §6.5.2

CMS Manual System, Pub 100-08, *Medicare Program Integrity Manual*, Chapter 3, §3.4.1.3

Coverage Guidance

Coverage Indications, Limitations, and/or Medical Necessity

Joint replacement surgery has been performed on millions of people over the past several decades and has proved to be an important medical advancement in the field of orthopedic surgery. The hip and knee are the two most commonly replaced joints.

The hip is a large weight bearing joint made up of two components: a ball (femoral head) and socket (acetabulum). These components are covered with articular cartilage and are bathed in synovial fluid produced by a synovial membrane.

Arthritis causes a severe limitation in the activities of daily living (ADLs), including difficulty with walking, squatting, and climbing stairs. Pain is typically most severe with activity and patients often have difficulty getting mobilized when seated for a long time.

Total hip replacement surgery is most often performed due to severe pain caused by osteoarthritis (degenerative arthritis) of the hip joint. Rheumatoid arthritis, traumatic arthritis, malignancy involving the hip joint and osteonecrosis of the femoral head are also possible causes for hip replacement surgery. The use of THR in patients with malignancy must be weighed against considerations of life expectancy and possible alternative procedures to relieve pain. The pain from the damaged joint usually limits activities of daily living, such as walking, bathing and cooking. The pain can also cause disruption of sleep due to the inability to lie on the hip while in bed. Pain relief not achieved by taking non-steroidal anti-inflammatory medications and failure to achieve symptom improvement with other conservative therapies such as physical therapy, activity modification and (in some patients) assistive device use are reasons for proceeding with a total hip replacement. The goal of total hip replacement surgery is to relieve pain and improve or increase patient function. Occasionally, there may be a need to perform a reoperation on a previous total hip. This is often referred to as a revision total hip. Circumstances that lead to the need for a revision total hip are continued disabling pain, continued decline in function which can be attributed to failure of the primary joint replacement. Failure can be due to infection involving the joint, substantial bone loss in the structures supporting the prosthesis, fracture, aseptic loosening of the components and wear of the prosthetic components.

Total Hip Arthroplasty (THA)

Noridian will consider total hip replacement surgery medically necessary in the following circumstances:

Advanced joint disease demonstrated by:

- Radiographic supported evidence or when conventional radiography is not adequate, magnetic resonance imaging (MRI) and/or computed tomography (CT) (in situations when MRI is non-diagnostic or not able to be performed) supported evidence (subchondral cysts, subchondral sclerosis, periarticular osteophytes, joint subluxation, severe joint space narrowing, avascular necrosis); **AND**
- Pain that cannot be adequately controlled despite optimal conservative treatment or functional disability from injury due to trauma or arthritis of the joint); **AND**
- If appropriate, history of unsuccessful conservative therapy (non-surgical medical management) that is clearly addressed in the pre procedure medical record. (If conservative therapy is not appropriate, the medical record must clearly document the rationale for why such approach is not reasonable). Non-surgical medical management is usually but not always implemented prior to scheduling total joint surgery. Non-surgical treatment as clinically appropriate for the patient's current episode of care typically includes one or more of the following:
 - anti-inflammatory medications or analgesics, or
 - flexibility and muscle strengthening exercises, or
 - supervised physical therapy [Activities of daily living (ADLs) diminished despite completing a plan of care], or
 - assistive device use, or
 - weight reduction as appropriate, or
 - therapeutic injections into the hip as appropriate.

In some circumstances, for example, if the patient has bone on bone articulation, severe deformity, pain or significant disabling interference with activities of daily living, the surgeon may determine that nonsurgical medical management would be ineffective or counterproductive and that the best treatment option, after explaining the risks, is surgical. If medical management is deemed appropriate, the medical record should indicate the rationale for and the circumstances under which this is the case.

- Malignancy of the joint involving the bones or soft tissues of the pelvis or proximal femur; **or**
- Avascular necrosis (osteonecrosis of femoral head); **or**
- Fracture of the femoral neck; **or**

- Acetabular fracture; **or**
- Non-union or failure of previous hip fracture surgery; **or**
- Mal-union of acetabular or proximal femur fracture

*See Associated Information - Documentation Requirements for additional information.

Indications for Replacement/Revision of Total Hip Arthroplasty

- Loosening of one or both components; **or**
- Fracture or mechanical failure of the implant; **or**
- Recurrent or irreducible dislocation; **or**
- Infection; **or**
- Treatment of a displaced periprosthetic fracture; **or**
- Clinically significant leg length inequality not amenable to conservative management; **or**
- Progressive or substantial bone loss; **or**
- Bearing surface wear leading to symptomatic synovitis or local bone or soft tissue reaction; **or**
- Clinically significant audible noise; **or**
- Adverse local tissue reaction

Limitations

Noridian will not consider a total hip replacement medically necessary when the following contraindications are present:

- Active infection of the hip joint or active systemic bacteremia
- Active urinary tract or dental infection
- Active skin infection (exception recurrent cutaneous staph infections) or open wound within the planned surgical site of the hip.
- Rapidly progressive neurological disease except in the clinical situation of a concomitant displaced femoral neck fracture

The following conditions are relative contraindications to total hip replacement and if such surgery is performed in the presence of these conditions, it is expected that the rationale for proceeding with the surgery under such circumstances is clearly documented in the medical record:

- Absence or relative insufficiency of abductor musculature
- Any process that is rapidly destroying bone
- Neurotrophic arthritis

This local coverage determination (LCD) is only addressing medical necessity criteria for performing total hip replacement surgery.

- Coding Information

Bill Type Codes:

Contractors may specify Bill Types to help providers identify those Bill Types typically used to report this service. Absence of a Bill Type does not guarantee that the policy does not apply to that Bill Type. Complete absence of all Bill Types indicates that coverage is not influenced by Bill Type and the policy should be assumed to apply equally to all claims.

999x	Not Applicable
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Revenue Codes:

Contractors may specify Revenue Codes to help providers identify those Revenue Codes typically used to report this service. In most instances Revenue Codes are purely advisory. Unless specified in the policy, services reported under other Revenue Codes are equally subject to this coverage determination. Complete absence of all Revenue Codes indicates that coverage is not influenced by Revenue Code and the policy should be assumed to apply equally to all Revenue Codes.

99999	Not Applicable
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CPT/HCPCS Codes

Group 1 Paragraph: Total Hip Arthroplasty

Group 1 Codes:

27130	ARTHROPLASTY, ACETABULAR AND PROXIMAL FEMORAL PROSTHETIC REPLACEMENT (TOTAL HIP ARTHROPLASTY), WITH OR WITHOUT AUTOGRAFT OR ALLOGRAFT
27132	CONVERSION OF PREVIOUS HIP SURGERY TO TOTAL HIP ARTHROPLASTY, WITH OR WITHOUT AUTOGRAFT OR ALLOGRAFT
27134	REVISION OF TOTAL HIP ARTHROPLASTY; BOTH COMPONENTS, WITH OR WITHOUT AUTOGRAFT OR ALLOGRAFT
27137	REVISION OF TOTAL HIP ARTHROPLASTY; ACETABULAR COMPONENT ONLY, WITH OR WITHOUT AUTOGRAFT OR ALLOGRAFT
27138	REVISION OF TOTAL HIP ARTHROPLASTY; FEMORAL COMPONENT ONLY, WITH OR WITHOUT ALLOGRAFT

ICD-10 Codes that Support Medical Necessity

Group 1 Paragraph: N/A

Group 1 Codes:

ICD-10 CODES	DESCRIPTION
C40.21	Malignant neoplasm of long bones of right lower limb
C40.22	Malignant neoplasm of long bones of left lower limb
C47.21	Malignant neoplasm of peripheral nerves of right lower limb, including hip
C47.22	Malignant neoplasm of peripheral nerves of left lower limb, including hip
C49.21	Malignant neoplasm of connective and soft tissue of right lower limb, including hip

C49.22	Malignant neoplasm of connective and soft tissue of left lower limb, including hip
D16.21	Benign neoplasm of long bones of right lower limb
D16.22	Benign neoplasm of long bones of left lower limb
D21.21	Benign neoplasm of connective and other soft tissue of right lower limb, including hip
D21.22	Benign neoplasm of connective and other soft tissue of left lower limb, including hip
L40.50	Arthropathic psoriasis, unspecified
L40.52	Psoriatic arthritis mutilans
L40.53	Psoriatic spondylitis
L40.54	Psoriatic juvenile arthropathy
L40.59	Other psoriatic arthropathy
M05.051	Felty's syndrome, right hip
M05.052	Felty's syndrome, left hip
M05.09	Felty's syndrome, multiple sites
M05.451	Rheumatoid myopathy with rheumatoid arthritis of right hip
M05.452	Rheumatoid myopathy with rheumatoid arthritis of left hip
M05.49	Rheumatoid myopathy with rheumatoid arthritis of multiple sites
M05.551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip
M05.552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip
M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites
M05.751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement
M05.752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement
M05.79	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement
M05.851	Other rheumatoid arthritis with rheumatoid factor of right hip
M05.852	Other rheumatoid arthritis with rheumatoid factor of left hip
M05.89	Other rheumatoid arthritis with rheumatoid factor of multiple sites
M06.051	Rheumatoid arthritis without rheumatoid factor, right hip
M06.052	Rheumatoid arthritis without rheumatoid factor, left hip
M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites
M06.851	Other specified rheumatoid arthritis, right hip
M06.852	Other specified rheumatoid arthritis, left hip
M06.89	Other specified rheumatoid arthritis, multiple sites
M07.651	Enteropathic arthropathies, right hip

M07.652	Enteropathic arthropathies, left hip
M08.051	Unspecified juvenile rheumatoid arthritis, right hip
M08.052	Unspecified juvenile rheumatoid arthritis, left hip
M08.09	Unspecified juvenile rheumatoid arthritis, multiple sites
M08.251	Juvenile rheumatoid arthritis with systemic onset, right hip
M08.252	Juvenile rheumatoid arthritis with systemic onset, left hip
M08.29	Juvenile rheumatoid arthritis with systemic onset, multiple sites
M08.3	Juvenile rheumatoid polyarthritis (seronegative)
M08.451	Pauciarticular juvenile rheumatoid arthritis, right hip
M08.452	Pauciarticular juvenile rheumatoid arthritis, left hip
M08.851	Other juvenile arthritis, right hip
M08.852	Other juvenile arthritis, left hip
M08.89	Other juvenile arthritis, multiple sites
M08.951	Juvenile arthritis, unspecified, right hip
M08.952	Juvenile arthritis, unspecified, left hip
M08.99	Juvenile arthritis, unspecified, multiple sites
M12.051	Chronic postrheumatic arthropathy [Jaccoud], right hip
M12.052	Chronic postrheumatic arthropathy [Jaccoud], left hip
M12.09	Chronic postrheumatic arthropathy [Jaccoud], multiple sites
M12.451	Intermittent hydrarthrosis, right hip
M12.452	Intermittent hydrarthrosis, left hip
M12.551	Traumatic arthropathy, right hip
M12.552	Traumatic arthropathy, left hip
M12.851	Other specific arthropathies, not elsewhere classified, right hip
M12.852	Other specific arthropathies, not elsewhere classified, left hip
M13.0	Polyarthritis, unspecified
M13.151	Monoarthritis, not elsewhere classified, right hip
M13.152	Monoarthritis, not elsewhere classified, left hip
M16.0	Bilateral primary osteoarthritis of hip
M16.11	Unilateral primary osteoarthritis, right hip
M16.12	Unilateral primary osteoarthritis, left hip
M16.2	Bilateral osteoarthritis resulting from hip dysplasia
M16.31	Unilateral osteoarthritis resulting from hip dysplasia, right hip
M16.32	Unilateral osteoarthritis resulting from hip dysplasia, left hip

M16.4	Bilateral post-traumatic osteoarthritis of hip
M16.51	Unilateral post-traumatic osteoarthritis, right hip
M16.52	Unilateral post-traumatic osteoarthritis, left hip
M16.6	Other bilateral secondary osteoarthritis of hip
M16.7	Other unilateral secondary osteoarthritis of hip
M24.651	Ankylosis, right hip
M24.652	Ankylosis, left hip
M24.7	Protrusio acetabuli
M24.851	Other specific joint derangements of right hip, not elsewhere classified
M24.852	Other specific joint derangements of left hip, not elsewhere classified
M25.251	Flail joint, right hip
M25.252	Flail joint, left hip
M25.351	Other instability, right hip
M25.352	Other instability, left hip
M25.551	Pain in right hip
M25.552	Pain in left hip
M80.051A	Age-related osteoporosis with current pathological fracture, right femur, initial encounter for fracture
M80.051D	Age-related osteoporosis with current pathological fracture, right femur, subsequent encounter for fracture with routine healing
M80.051G	Age-related osteoporosis with current pathological fracture, right femur, subsequent encounter for fracture with delayed healing
M80.051K	Age-related osteoporosis with current pathological fracture, right femur, subsequent encounter for fracture with nonunion
M80.051P	Age-related osteoporosis with current pathological fracture, right femur, subsequent encounter for fracture with malunion
M80.051S	Age-related osteoporosis with current pathological fracture, right femur, sequela
M80.052A	Age-related osteoporosis with current pathological fracture, left femur, initial encounter for fracture
M80.052D	Age-related osteoporosis with current pathological fracture, left femur, subsequent encounter for fracture with routine healing
M80.052G	Age-related osteoporosis with current pathological fracture, left femur, subsequent encounter for fracture with delayed healing
M80.052K	Age-related osteoporosis with current pathological fracture, left femur, subsequent encounter for fracture with nonunion
M80.052P	Age-related osteoporosis with current pathological fracture, left femur, subsequent encounter for fracture with malunion
M80.052S	Age-related osteoporosis with current pathological fracture, left femur, sequela
M80.851A	Other osteoporosis with current pathological fracture, right femur, initial encounter for fracture

M80.851D	Other osteoporosis with current pathological fracture, right femur, subsequent encounter for fracture with routine healing
M80.851G	Other osteoporosis with current pathological fracture, right femur, subsequent encounter for fracture with delayed healing
M80.851K	Other osteoporosis with current pathological fracture, right femur, subsequent encounter for fracture with nonunion
M80.851P	Other osteoporosis with current pathological fracture, right femur, subsequent encounter for fracture with malunion
M80.851S	Other osteoporosis with current pathological fracture, right femur, sequela
M80.852A	Other osteoporosis with current pathological fracture, left femur, initial encounter for fracture
M80.852D	Other osteoporosis with current pathological fracture, left femur, subsequent encounter for fracture with routine healing
M80.852G	Other osteoporosis with current pathological fracture, left femur, subsequent encounter for fracture with delayed healing
M80.852K	Other osteoporosis with current pathological fracture, left femur, subsequent encounter for fracture with nonunion
M80.852P	Other osteoporosis with current pathological fracture, left femur, subsequent encounter for fracture with malunion
M80.852S	Other osteoporosis with current pathological fracture, left femur, sequela
M84.350A	Stress fracture, pelvis, initial encounter for fracture
M84.350D	Stress fracture, pelvis, subsequent encounter for fracture with routine healing
M84.350G	Stress fracture, pelvis, subsequent encounter for fracture with delayed healing
M84.350K	Stress fracture, pelvis, subsequent encounter for fracture with nonunion
M84.350P	Stress fracture, pelvis, subsequent encounter for fracture with malunion
M84.350S	Stress fracture, pelvis, sequela
M84.351A	Stress fracture, right femur, initial encounter for fracture
M84.351D	Stress fracture, right femur, subsequent encounter for fracture with routine healing
M84.351G	Stress fracture, right femur, subsequent encounter for fracture with delayed healing
M84.351K	Stress fracture, right femur, subsequent encounter for fracture with nonunion
M84.351P	Stress fracture, right femur, subsequent encounter for fracture with malunion
M84.351S	Stress fracture, right femur, sequela
M84.352A	Stress fracture, left femur, initial encounter for fracture
M84.352D	Stress fracture, left femur, subsequent encounter for fracture with routine healing
M84.352G	Stress fracture, left femur, subsequent encounter for fracture with delayed healing
M84.352K	Stress fracture, left femur, subsequent encounter for fracture with nonunion
M84.352P	Stress fracture, left femur, subsequent encounter for fracture with malunion
M84.352S	Stress fracture, left femur, sequela
M84.451A	Pathological fracture, right femur, initial encounter for fracture

M84.451D	Pathological fracture, right femur, subsequent encounter for fracture with routine healing
M84.451G	Pathological fracture, right femur, subsequent encounter for fracture with delayed healing
M84.451K	Pathological fracture, right femur, subsequent encounter for fracture with nonunion
M84.451P	Pathological fracture, right femur, subsequent encounter for fracture with malunion
M84.451S	Pathological fracture, right femur, sequela
M84.452A	Pathological fracture, left femur, initial encounter for fracture
M84.452D	Pathological fracture, left femur, subsequent encounter for fracture with routine healing
M84.452G	Pathological fracture, left femur, subsequent encounter for fracture with delayed healing
M84.452K	Pathological fracture, left femur, subsequent encounter for fracture with nonunion
M84.452P	Pathological fracture, left femur, subsequent encounter for fracture with malunion
M84.452S	Pathological fracture, left femur, sequela
M84.454A	Pathological fracture, pelvis, initial encounter for fracture
M84.454D	Pathological fracture, pelvis, subsequent encounter for fracture with routine healing
M84.454G	Pathological fracture, pelvis, subsequent encounter for fracture with delayed healing
M84.454K	Pathological fracture, pelvis, subsequent encounter for fracture with nonunion
M84.454P	Pathological fracture, pelvis, subsequent encounter for fracture with malunion
M84.454S	Pathological fracture, pelvis, sequela
M84.550A	Pathological fracture in neoplastic disease, pelvis, initial encounter for fracture
M84.550D	Pathological fracture in neoplastic disease, pelvis, subsequent encounter for fracture with routine healing
M84.550G	Pathological fracture in neoplastic disease, pelvis, subsequent encounter for fracture with delayed healing
M84.550K	Pathological fracture in neoplastic disease, pelvis, subsequent encounter for fracture with nonunion
M84.550P	Pathological fracture in neoplastic disease, pelvis, subsequent encounter for fracture with malunion
M84.550S	Pathological fracture in neoplastic disease, pelvis, sequela
M84.551A	Pathological fracture in neoplastic disease, right femur, initial encounter for fracture
M84.551D	Pathological fracture in neoplastic disease, right femur, subsequent encounter for fracture with routine healing
M84.551G	Pathological fracture in neoplastic disease, right femur, subsequent encounter for fracture with delayed healing
M84.551K	Pathological fracture in neoplastic disease, right femur, subsequent encounter for fracture with nonunion
M84.551P	Pathological fracture in neoplastic disease, right femur, subsequent encounter for fracture with malunion

M84.551S	Pathological fracture in neoplastic disease, right femur, sequela
M84.552A	Pathological fracture in neoplastic disease, left femur, initial encounter for fracture
M84.552D	Pathological fracture in neoplastic disease, left femur, subsequent encounter for fracture with routine healing
M84.552G	Pathological fracture in neoplastic disease, left femur, subsequent encounter for fracture with delayed healing
M84.552K	Pathological fracture in neoplastic disease, left femur, subsequent encounter for fracture with nonunion
M84.552P	Pathological fracture in neoplastic disease, left femur, subsequent encounter for fracture with malunion
M84.552S	Pathological fracture in neoplastic disease, left femur, sequela
M84.650A	Pathological fracture in other disease, pelvis, initial encounter for fracture
M84.650D	Pathological fracture in other disease, pelvis, subsequent encounter for fracture with routine healing
M84.650G	Pathological fracture in other disease, pelvis, subsequent encounter for fracture with delayed healing
M84.650K	Pathological fracture in other disease, pelvis, subsequent encounter for fracture with nonunion
M84.650P	Pathological fracture in other disease, pelvis, subsequent encounter for fracture with malunion
M84.650S	Pathological fracture in other disease, pelvis, sequela
M84.651A	Pathological fracture in other disease, right femur, initial encounter for fracture
M84.651D	Pathological fracture in other disease, right femur, subsequent encounter for fracture with routine healing
M84.651G	Pathological fracture in other disease, right femur, subsequent encounter for fracture with delayed healing
M84.651K	Pathological fracture in other disease, right femur, subsequent encounter for fracture with nonunion
M84.651P	Pathological fracture in other disease, right femur, subsequent encounter for fracture with malunion
M84.651S	Pathological fracture in other disease, right femur, sequela
M84.652A	Pathological fracture in other disease, left femur, initial encounter for fracture
M84.652D	Pathological fracture in other disease, left femur, subsequent encounter for fracture with routine healing
M84.652G	Pathological fracture in other disease, left femur, subsequent encounter for fracture with delayed healing
M84.652K	Pathological fracture in other disease, left femur, subsequent encounter for fracture with nonunion
M84.652P	Pathological fracture in other disease, left femur, subsequent encounter for fracture with malunion
M84.652S	Pathological fracture in other disease, left femur, sequela
M87.050	Idiopathic aseptic necrosis of pelvis
M87.051	Idiopathic aseptic necrosis of right femur

M87.052	Idiopathic aseptic necrosis of left femur
M87.150	Osteonecrosis due to drugs, pelvis
M87.151	Osteonecrosis due to drugs, right femur
M87.152	Osteonecrosis due to drugs, left femur
M87.250	Osteonecrosis due to previous trauma, pelvis
M87.251	Osteonecrosis due to previous trauma, right femur
M87.252	Osteonecrosis due to previous trauma, left femur
M87.350	Other secondary osteonecrosis, pelvis
M87.351	Other secondary osteonecrosis, right femur
M87.352	Other secondary osteonecrosis, left femur
M87.850	Other osteonecrosis, pelvis
M87.851	Other osteonecrosis, right femur
M87.852	Other osteonecrosis, left femur
M88.851	Osteitis deformans of right thigh
M88.852	Osteitis deformans of left thigh
M88.89	Osteitis deformans of multiple sites
M90.551	Osteonecrosis in diseases classified elsewhere, right thigh
M90.552	Osteonecrosis in diseases classified elsewhere, left thigh
M97.01XA	Periprosthetic fracture around internal prosthetic right hip joint, initial encounter
M97.01XD	Periprosthetic fracture around internal prosthetic right hip joint, subsequent encounter
M97.01XS	Periprosthetic fracture around internal prosthetic right hip joint, sequela
M97.02XA	Periprosthetic fracture around internal prosthetic left hip joint, initial encounter
M97.02XD	Periprosthetic fracture around internal prosthetic left hip joint, subsequent encounter
M97.02XS	Periprosthetic fracture around internal prosthetic left hip joint, sequela
Q65.01	Congenital dislocation of right hip, unilateral
Q65.02	Congenital dislocation of left hip, unilateral
Q65.89	Other specified congenital deformities of hip
Q65.9	Congenital deformity of hip, unspecified
S32.301A	Unspecified fracture of right ilium, initial encounter for closed fracture
S32.301B	Unspecified fracture of right ilium, initial encounter for open fracture
S32.301D	Unspecified fracture of right ilium, subsequent encounter for fracture with routine healing
S32.301G	Unspecified fracture of right ilium, subsequent encounter for fracture with delayed healing
S32.301K	Unspecified fracture of right ilium, subsequent encounter for fracture with nonunion

S32.301S	Unspecified fracture of right ilium, sequela
S32.302A	Unspecified fracture of left ilium, initial encounter for closed fracture
S32.302B	Unspecified fracture of left ilium, initial encounter for open fracture
S32.302D	Unspecified fracture of left ilium, subsequent encounter for fracture with routine healing
S32.302G	Unspecified fracture of left ilium, subsequent encounter for fracture with delayed healing
S32.302K	Unspecified fracture of left ilium, subsequent encounter for fracture with nonunion
S32.302S	Unspecified fracture of left ilium, sequela
S32.311A	Displaced avulsion fracture of right ilium, initial encounter for closed fracture
S32.311B	Displaced avulsion fracture of right ilium, initial encounter for open fracture
S32.311D	Displaced avulsion fracture of right ilium, subsequent encounter for fracture with routine healing
S32.311G	Displaced avulsion fracture of right ilium, subsequent encounter for fracture with delayed healing
S32.311K	Displaced avulsion fracture of right ilium, subsequent encounter for fracture with nonunion
S32.311S	Displaced avulsion fracture of right ilium, sequela
S32.312A	Displaced avulsion fracture of left ilium, initial encounter for closed fracture
S32.312B	Displaced avulsion fracture of left ilium, initial encounter for open fracture
S32.312D	Displaced avulsion fracture of left ilium, subsequent encounter for fracture with routine healing
S32.312G	Displaced avulsion fracture of left ilium, subsequent encounter for fracture with delayed healing
S32.312K	Displaced avulsion fracture of left ilium, subsequent encounter for fracture with nonunion
S32.312S	Displaced avulsion fracture of left ilium, sequela
S32.314A	Nondisplaced avulsion fracture of right ilium, initial encounter for closed fracture
S32.314B	Nondisplaced avulsion fracture of right ilium, initial encounter for open fracture
S32.314D	Nondisplaced avulsion fracture of right ilium, subsequent encounter for fracture with routine healing
S32.314G	Nondisplaced avulsion fracture of right ilium, subsequent encounter for fracture with delayed healing
S32.314K	Nondisplaced avulsion fracture of right ilium, subsequent encounter for fracture with nonunion
S32.314S	Nondisplaced avulsion fracture of right ilium, sequela
S32.315A	Nondisplaced avulsion fracture of left ilium, initial encounter for closed fracture
S32.315B	Nondisplaced avulsion fracture of left ilium, initial encounter for open fracture
S32.315D	Nondisplaced avulsion fracture of left ilium, subsequent encounter for fracture with routine healing
S32.315G	Nondisplaced avulsion fracture of left ilium, subsequent encounter for fracture with

	delayed healing
S32.315K	Nondisplaced avulsion fracture of left ilium, subsequent encounter for fracture with nonunion
S32.315S	Nondisplaced avulsion fracture of left ilium, sequela
S32.391A	Other fracture of right ilium, initial encounter for closed fracture
S32.391B	Other fracture of right ilium, initial encounter for open fracture
S32.391D	Other fracture of right ilium, subsequent encounter for fracture with routine healing
S32.391G	Other fracture of right ilium, subsequent encounter for fracture with delayed healing
S32.391K	Other fracture of right ilium, subsequent encounter for fracture with nonunion
S32.391S	Other fracture of right ilium, sequela
S32.392A	Other fracture of left ilium, initial encounter for closed fracture
S32.392B	Other fracture of left ilium, initial encounter for open fracture
S32.392D	Other fracture of left ilium, subsequent encounter for fracture with routine healing
S32.392G	Other fracture of left ilium, subsequent encounter for fracture with delayed healing
S32.392K	Other fracture of left ilium, subsequent encounter for fracture with nonunion
S32.392S	Other fracture of left ilium, sequela
S32.401A	Unspecified fracture of right acetabulum, initial encounter for closed fracture
S32.401B	Unspecified fracture of right acetabulum, initial encounter for open fracture
S32.401D	Unspecified fracture of right acetabulum, subsequent encounter for fracture with routine healing
S32.401G	Unspecified fracture of right acetabulum, subsequent encounter for fracture with delayed healing
S32.401K	Unspecified fracture of right acetabulum, subsequent encounter for fracture with nonunion
S32.401S	Unspecified fracture of right acetabulum, sequela
S32.402A	Unspecified fracture of left acetabulum, initial encounter for closed fracture
S32.402B	Unspecified fracture of left acetabulum, initial encounter for open fracture
S32.402D	Unspecified fracture of left acetabulum, subsequent encounter for fracture with routine healing
S32.402G	Unspecified fracture of left acetabulum, subsequent encounter for fracture with delayed healing
S32.402K	Unspecified fracture of left acetabulum, subsequent encounter for fracture with nonunion
S32.402S	Unspecified fracture of left acetabulum, sequela
S32.411A	Displaced fracture of anterior wall of right acetabulum, initial encounter for closed fracture
S32.411B	Displaced fracture of anterior wall of right acetabulum, initial encounter for open fracture
S32.411D	Displaced fracture of anterior wall of right acetabulum, subsequent encounter for fracture with routine healing

S32.411G	Displaced fracture of anterior wall of right acetabulum, subsequent encounter for fracture with delayed healing
S32.411K	Displaced fracture of anterior wall of right acetabulum, subsequent encounter for fracture with nonunion
S32.411S	Displaced fracture of anterior wall of right acetabulum, sequela
S32.412A	Displaced fracture of anterior wall of left acetabulum, initial encounter for closed fracture
S32.412B	Displaced fracture of anterior wall of left acetabulum, initial encounter for open fracture
S32.412D	Displaced fracture of anterior wall of left acetabulum, subsequent encounter for fracture with routine healing
S32.412G	Displaced fracture of anterior wall of left acetabulum, subsequent encounter for fracture with delayed healing
S32.412K	Displaced fracture of anterior wall of left acetabulum, subsequent encounter for fracture with nonunion
S32.412S	Displaced fracture of anterior wall of left acetabulum, sequela
S32.414A	Nondisplaced fracture of anterior wall of right acetabulum, initial encounter for closed fracture
S32.414B	Nondisplaced fracture of anterior wall of right acetabulum, initial encounter for open fracture
S32.414D	Nondisplaced fracture of anterior wall of right acetabulum, subsequent encounter for fracture with routine healing
S32.414G	Nondisplaced fracture of anterior wall of right acetabulum, subsequent encounter for fracture with delayed healing
S32.414K	Nondisplaced fracture of anterior wall of right acetabulum, subsequent encounter for fracture with nonunion
S32.414S	Nondisplaced fracture of anterior wall of right acetabulum, sequela
S32.415A	Nondisplaced fracture of anterior wall of left acetabulum, initial encounter for closed fracture
S32.415B	Nondisplaced fracture of anterior wall of left acetabulum, initial encounter for open fracture
S32.415D	Nondisplaced fracture of anterior wall of left acetabulum, subsequent encounter for fracture with routine healing
S32.415G	Nondisplaced fracture of anterior wall of left acetabulum, subsequent encounter for fracture with delayed healing
S32.415K	Nondisplaced fracture of anterior wall of left acetabulum, subsequent encounter for fracture with nonunion
S32.415S	Nondisplaced fracture of anterior wall of left acetabulum, sequela
S32.421A	Displaced fracture of posterior wall of right acetabulum, initial encounter for closed fracture
S32.421B	Displaced fracture of posterior wall of right acetabulum, initial encounter for open fracture
S32.421D	Displaced fracture of posterior wall of right acetabulum, subsequent encounter for fracture with routine healing
S32.421G	Displaced fracture of posterior wall of right acetabulum, subsequent encounter for fracture with delayed healing

S32.421K	Displaced fracture of posterior wall of right acetabulum, subsequent encounter for fracture with nonunion
S32.421S	Displaced fracture of posterior wall of right acetabulum, sequela
S32.422A	Displaced fracture of posterior wall of left acetabulum, initial encounter for closed fracture
S32.422B	Displaced fracture of posterior wall of left acetabulum, initial encounter for open fracture
S32.422D	Displaced fracture of posterior wall of left acetabulum, subsequent encounter for fracture with routine healing
S32.422G	Displaced fracture of posterior wall of left acetabulum, subsequent encounter for fracture with delayed healing
S32.422K	Displaced fracture of posterior wall of left acetabulum, subsequent encounter for fracture with nonunion
S32.422S	Displaced fracture of posterior wall of left acetabulum, sequela
S32.424A	Nondisplaced fracture of posterior wall of right acetabulum, initial encounter for closed fracture
S32.424B	Nondisplaced fracture of posterior wall of right acetabulum, initial encounter for open fracture
S32.424D	Nondisplaced fracture of posterior wall of right acetabulum, subsequent encounter for fracture with routine healing
S32.424G	Nondisplaced fracture of posterior wall of right acetabulum, subsequent encounter for fracture with delayed healing
S32.424K	Nondisplaced fracture of posterior wall of right acetabulum, subsequent encounter for fracture with nonunion
S32.424S	Nondisplaced fracture of posterior wall of right acetabulum, sequela
S32.425A	Nondisplaced fracture of posterior wall of left acetabulum, initial encounter for closed fracture
S32.425B	Nondisplaced fracture of posterior wall of left acetabulum, initial encounter for open fracture
S32.425D	Nondisplaced fracture of posterior wall of left acetabulum, subsequent encounter for fracture with routine healing
S32.425G	Nondisplaced fracture of posterior wall of left acetabulum, subsequent encounter for fracture with delayed healing
S32.425K	Nondisplaced fracture of posterior wall of left acetabulum, subsequent encounter for fracture with nonunion
S32.425S	Nondisplaced fracture of posterior wall of left acetabulum, sequela
S32.431A	Displaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for closed fracture
S32.431B	Displaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for open fracture
S32.431D	Displaced fracture of anterior column [iliopubic] of right acetabulum, subsequent encounter for fracture with routine healing
S32.431G	Displaced fracture of anterior column [iliopubic] of right acetabulum, subsequent encounter for fracture with delayed healing
S32.431K	Displaced fracture of anterior column [iliopubic] of right acetabulum, subsequent

	encounter for fracture with nonunion
S32.431S	Displaced fracture of anterior column [iliopubic] of right acetabulum, sequela
S32.432A	Displaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for closed fracture
S32.432B	Displaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for open fracture
S32.432D	Displaced fracture of anterior column [iliopubic] of left acetabulum, subsequent encounter for fracture with routine healing
S32.432G	Displaced fracture of anterior column [iliopubic] of left acetabulum, subsequent encounter for fracture with delayed healing
S32.432K	Displaced fracture of anterior column [iliopubic] of left acetabulum, subsequent encounter for fracture with nonunion
S32.432S	Displaced fracture of anterior column [iliopubic] of left acetabulum, sequela
S32.434A	Nondisplaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for closed fracture
S32.434B	Nondisplaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for open fracture
S32.434D	Nondisplaced fracture of anterior column [iliopubic] of right acetabulum, subsequent encounter for fracture with routine healing
S32.434G	Nondisplaced fracture of anterior column [iliopubic] of right acetabulum, subsequent encounter for fracture with delayed healing
S32.434K	Nondisplaced fracture of anterior column [iliopubic] of right acetabulum, subsequent encounter for fracture with nonunion
S32.434S	Nondisplaced fracture of anterior column [iliopubic] of right acetabulum, sequela
S32.435A	Nondisplaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for closed fracture
S32.435B	Nondisplaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for open fracture
S32.435D	Nondisplaced fracture of anterior column [iliopubic] of left acetabulum, subsequent encounter for fracture with routine healing
S32.435G	Nondisplaced fracture of anterior column [iliopubic] of left acetabulum, subsequent encounter for fracture with delayed healing
S32.435K	Nondisplaced fracture of anterior column [iliopubic] of left acetabulum, subsequent encounter for fracture with nonunion
S32.435S	Nondisplaced fracture of anterior column [iliopubic] of left acetabulum, sequela
S32.441A	Displaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for closed fracture
S32.441B	Displaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for open fracture
S32.441D	Displaced fracture of posterior column [ilioischial] of right acetabulum, subsequent encounter for fracture with routine healing
S32.441G	Displaced fracture of posterior column [ilioischial] of right acetabulum, subsequent encounter for fracture with delayed healing
S32.441K	Displaced fracture of posterior column [ilioischial] of right acetabulum, subsequent encounter for fracture with nonunion

S32.441S	Displaced fracture of posterior column [ilioischial] of right acetabulum, sequela
S32.442A	Displaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for closed fracture
S32.442B	Displaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for open fracture
S32.442D	Displaced fracture of posterior column [ilioischial] of left acetabulum, subsequent encounter for fracture with routine healing
S32.442G	Displaced fracture of posterior column [ilioischial] of left acetabulum, subsequent encounter for fracture with delayed healing
S32.442K	Displaced fracture of posterior column [ilioischial] of left acetabulum, subsequent encounter for fracture with nonunion
S32.442S	Displaced fracture of posterior column [ilioischial] of left acetabulum, sequela
S32.444A	Nondisplaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for closed fracture
S32.444B	Nondisplaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for open fracture
S32.444D	Nondisplaced fracture of posterior column [ilioischial] of right acetabulum, subsequent encounter for fracture with routine healing
S32.444G	Nondisplaced fracture of posterior column [ilioischial] of right acetabulum, subsequent encounter for fracture with delayed healing
S32.444K	Nondisplaced fracture of posterior column [ilioischial] of right acetabulum, subsequent encounter for fracture with nonunion
S32.444S	Nondisplaced fracture of posterior column [ilioischial] of right acetabulum, sequela
S32.445A	Nondisplaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for closed fracture
S32.445B	Nondisplaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for open fracture
S32.445D	Nondisplaced fracture of posterior column [ilioischial] of left acetabulum, subsequent encounter for fracture with routine healing
S32.445G	Nondisplaced fracture of posterior column [ilioischial] of left acetabulum, subsequent encounter for fracture with delayed healing
S32.445K	Nondisplaced fracture of posterior column [ilioischial] of left acetabulum, subsequent encounter for fracture with nonunion
S32.445S	Nondisplaced fracture of posterior column [ilioischial] of left acetabulum, sequela
S32.451A	Displaced transverse fracture of right acetabulum, initial encounter for closed fracture
S32.451B	Displaced transverse fracture of right acetabulum, initial encounter for open fracture
S32.451D	Displaced transverse fracture of right acetabulum, subsequent encounter for fracture with routine healing
S32.451G	Displaced transverse fracture of right acetabulum, subsequent encounter for fracture with delayed healing
S32.451K	Displaced transverse fracture of right acetabulum, subsequent encounter for fracture with nonunion
S32.451S	Displaced transverse fracture of right acetabulum, sequela
S32.452A	Displaced transverse fracture of left acetabulum, initial encounter for closed

	fracture
S32.452B	Displaced transverse fracture of left acetabulum, initial encounter for open fracture
S32.452D	Displaced transverse fracture of left acetabulum, subsequent encounter for fracture with routine healing
S32.452G	Displaced transverse fracture of left acetabulum, subsequent encounter for fracture with delayed healing
S32.452K	Displaced transverse fracture of left acetabulum, subsequent encounter for fracture with nonunion
S32.452S	Displaced transverse fracture of left acetabulum, sequela
S32.454A	Nondisplaced transverse fracture of right acetabulum, initial encounter for closed fracture
S32.454B	Nondisplaced transverse fracture of right acetabulum, initial encounter for open fracture
S32.454D	Nondisplaced transverse fracture of right acetabulum, subsequent encounter for fracture with routine healing
S32.454G	Nondisplaced transverse fracture of right acetabulum, subsequent encounter for fracture with delayed healing
S32.454K	Nondisplaced transverse fracture of right acetabulum, subsequent encounter for fracture with nonunion
S32.454S	Nondisplaced transverse fracture of right acetabulum, sequela
S32.455A	Nondisplaced transverse fracture of left acetabulum, initial encounter for closed fracture
S32.455B	Nondisplaced transverse fracture of left acetabulum, initial encounter for open fracture
S32.455D	Nondisplaced transverse fracture of left acetabulum, subsequent encounter for fracture with routine healing
S32.455G	Nondisplaced transverse fracture of left acetabulum, subsequent encounter for fracture with delayed healing
S32.455K	Nondisplaced transverse fracture of left acetabulum, subsequent encounter for fracture with nonunion
S32.455S	Nondisplaced transverse fracture of left acetabulum, sequela
S32.461A	Displaced associated transverse-posterior fracture of right acetabulum, initial encounter for closed fracture
S32.461B	Displaced associated transverse-posterior fracture of right acetabulum, initial encounter for open fracture
S32.461D	Displaced associated transverse-posterior fracture of right acetabulum, subsequent encounter for fracture with routine healing
S32.461G	Displaced associated transverse-posterior fracture of right acetabulum, subsequent encounter for fracture with delayed healing
S32.461K	Displaced associated transverse-posterior fracture of right acetabulum, subsequent encounter for fracture with nonunion
S32.461S	Displaced associated transverse-posterior fracture of right acetabulum, sequela
S32.462A	Displaced associated transverse-posterior fracture of left acetabulum, initial encounter for closed fracture
	Displaced associated transverse-posterior fracture of left acetabulum, initial

S32.462B	encounter for open fracture
S32.462D	Displaced associated transverse-posterior fracture of left acetabulum, subsequent encounter for fracture with routine healing
S32.462G	Displaced associated transverse-posterior fracture of left acetabulum, subsequent encounter for fracture with delayed healing
S32.462K	Displaced associated transverse-posterior fracture of left acetabulum, subsequent encounter for fracture with nonunion
S32.462S	Displaced associated transverse-posterior fracture of left acetabulum, sequela
S32.464A	Nondisplaced associated transverse-posterior fracture of right acetabulum, initial encounter for closed fracture
S32.464B	Nondisplaced associated transverse-posterior fracture of right acetabulum, initial encounter for open fracture
S32.464D	Nondisplaced associated transverse-posterior fracture of right acetabulum, subsequent encounter for fracture with routine healing
S32.464G	Nondisplaced associated transverse-posterior fracture of right acetabulum, subsequent encounter for fracture with delayed healing
S32.464K	Nondisplaced associated transverse-posterior fracture of right acetabulum, subsequent encounter for fracture with nonunion
S32.464S	Nondisplaced associated transverse-posterior fracture of right acetabulum, sequela
S32.465A	Nondisplaced associated transverse-posterior fracture of left acetabulum, initial encounter for closed fracture
S32.465B	Nondisplaced associated transverse-posterior fracture of left acetabulum, initial encounter for open fracture
S32.465D	Nondisplaced associated transverse-posterior fracture of left acetabulum, subsequent encounter for fracture with routine healing
S32.465G	Nondisplaced associated transverse-posterior fracture of left acetabulum, subsequent encounter for fracture with delayed healing
S32.465K	Nondisplaced associated transverse-posterior fracture of left acetabulum, subsequent encounter for fracture with nonunion
S32.465S	Nondisplaced associated transverse-posterior fracture of left acetabulum, sequela
S32.471A	Displaced fracture of medial wall of right acetabulum, initial encounter for closed fracture
S32.471B	Displaced fracture of medial wall of right acetabulum, initial encounter for open fracture
S32.471D	Displaced fracture of medial wall of right acetabulum, subsequent encounter for fracture with routine healing
S32.471G	Displaced fracture of medial wall of right acetabulum, subsequent encounter for fracture with delayed healing
S32.471K	Displaced fracture of medial wall of right acetabulum, subsequent encounter for fracture with nonunion
S32.471S	Displaced fracture of medial wall of right acetabulum, sequela
S32.472A	Displaced fracture of medial wall of left acetabulum, initial encounter for closed fracture
S32.472B	Displaced fracture of medial wall of left acetabulum, initial encounter for open fracture

S32.472D	Displaced fracture of medial wall of left acetabulum, subsequent encounter for fracture with routine healing
S32.472G	Displaced fracture of medial wall of left acetabulum, subsequent encounter for fracture with delayed healing
S32.472K	Displaced fracture of medial wall of left acetabulum, subsequent encounter for fracture with nonunion
S32.472S	Displaced fracture of medial wall of left acetabulum, sequela
S32.474A	Nondisplaced fracture of medial wall of right acetabulum, initial encounter for closed fracture
S32.474B	Nondisplaced fracture of medial wall of right acetabulum, initial encounter for open fracture
S32.474D	Nondisplaced fracture of medial wall of right acetabulum, subsequent encounter for fracture with routine healing
S32.474G	Nondisplaced fracture of medial wall of right acetabulum, subsequent encounter for fracture with delayed healing
S32.474K	Nondisplaced fracture of medial wall of right acetabulum, subsequent encounter for fracture with nonunion
S32.474S	Nondisplaced fracture of medial wall of right acetabulum, sequela
S32.475A	Nondisplaced fracture of medial wall of left acetabulum, initial encounter for closed fracture
S32.475B	Nondisplaced fracture of medial wall of left acetabulum, initial encounter for open fracture
S32.475D	Nondisplaced fracture of medial wall of left acetabulum, subsequent encounter for fracture with routine healing
S32.475G	Nondisplaced fracture of medial wall of left acetabulum, subsequent encounter for fracture with delayed healing
S32.475K	Nondisplaced fracture of medial wall of left acetabulum, subsequent encounter for fracture with nonunion
S32.475S	Nondisplaced fracture of medial wall of left acetabulum, sequela
S32.481A	Displaced dome fracture of right acetabulum, initial encounter for closed fracture
S32.481B	Displaced dome fracture of right acetabulum, initial encounter for open fracture
S32.481D	Displaced dome fracture of right acetabulum, subsequent encounter for fracture with routine healing
S32.481G	Displaced dome fracture of right acetabulum, subsequent encounter for fracture with delayed healing
S32.481K	Displaced dome fracture of right acetabulum, subsequent encounter for fracture with nonunion
S32.481S	Displaced dome fracture of right acetabulum, sequela
S32.482A	Displaced dome fracture of left acetabulum, initial encounter for closed fracture
S32.482B	Displaced dome fracture of left acetabulum, initial encounter for open fracture
S32.482D	Displaced dome fracture of left acetabulum, subsequent encounter for fracture with routine healing
S32.482G	Displaced dome fracture of left acetabulum, subsequent encounter for fracture with delayed healing

S32.482K	Displaced dome fracture of left acetabulum, subsequent encounter for fracture with nonunion
S32.482S	Displaced dome fracture of left acetabulum, sequela
S32.484A	Nondisplaced dome fracture of right acetabulum, initial encounter for closed fracture
S32.484B	Nondisplaced dome fracture of right acetabulum, initial encounter for open fracture
S32.484D	Nondisplaced dome fracture of right acetabulum, subsequent encounter for fracture with routine healing
S32.484G	Nondisplaced dome fracture of right acetabulum, subsequent encounter for fracture with delayed healing
S32.484K	Nondisplaced dome fracture of right acetabulum, subsequent encounter for fracture with nonunion
S32.484S	Nondisplaced dome fracture of right acetabulum, sequela
S32.485A	Nondisplaced dome fracture of left acetabulum, initial encounter for closed fracture
S32.485B	Nondisplaced dome fracture of left acetabulum, initial encounter for open fracture
S32.485D	Nondisplaced dome fracture of left acetabulum, subsequent encounter for fracture with routine healing
S32.485G	Nondisplaced dome fracture of left acetabulum, subsequent encounter for fracture with delayed healing
S32.485K	Nondisplaced dome fracture of left acetabulum, subsequent encounter for fracture with nonunion
S32.485S	Nondisplaced dome fracture of left acetabulum, sequela
S32.491A	Other specified fracture of right acetabulum, initial encounter for closed fracture
S32.491B	Other specified fracture of right acetabulum, initial encounter for open fracture
S32.491D	Other specified fracture of right acetabulum, subsequent encounter for fracture with routine healing
S32.491G	Other specified fracture of right acetabulum, subsequent encounter for fracture with delayed healing
S32.491K	Other specified fracture of right acetabulum, subsequent encounter for fracture with nonunion
S32.491S	Other specified fracture of right acetabulum, sequela
S32.492A	Other specified fracture of left acetabulum, initial encounter for closed fracture
S32.492B	Other specified fracture of left acetabulum, initial encounter for open fracture
S32.492D	Other specified fracture of left acetabulum, subsequent encounter for fracture with routine healing
S32.492G	Other specified fracture of left acetabulum, subsequent encounter for fracture with delayed healing
S32.492K	Other specified fracture of left acetabulum, subsequent encounter for fracture with nonunion
S32.492S	Other specified fracture of left acetabulum, sequela
S72.001A	Fracture of unspecified part of neck of right femur, initial encounter for closed fracture

S72.001B	Fracture of unspecified part of neck of right femur, initial encounter for open fracture type I or II
S72.001C	Fracture of unspecified part of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.001D	Fracture of unspecified part of neck of right femur, subsequent encounter for closed fracture with routine healing
S72.001E	Fracture of unspecified part of neck of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.001F	Fracture of unspecified part of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.001G	Fracture of unspecified part of neck of right femur, subsequent encounter for closed fracture with delayed healing
S72.001H	Fracture of unspecified part of neck of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.001J	Fracture of unspecified part of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.001K	Fracture of unspecified part of neck of right femur, subsequent encounter for closed fracture with nonunion
S72.001M	Fracture of unspecified part of neck of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.001N	Fracture of unspecified part of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.001P	Fracture of unspecified part of neck of right femur, subsequent encounter for closed fracture with malunion
S72.001Q	Fracture of unspecified part of neck of right femur, subsequent encounter for open fracture type I or II with malunion
S72.001R	Fracture of unspecified part of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.001S	Fracture of unspecified part of neck of right femur, sequela
S72.002A	Fracture of unspecified part of neck of left femur, initial encounter for closed fracture
S72.002B	Fracture of unspecified part of neck of left femur, initial encounter for open fracture type I or II
S72.002C	Fracture of unspecified part of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.002D	Fracture of unspecified part of neck of left femur, subsequent encounter for closed fracture with routine healing
S72.002E	Fracture of unspecified part of neck of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.002F	Fracture of unspecified part of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.002G	Fracture of unspecified part of neck of left femur, subsequent encounter for closed fracture with delayed healing
S72.002H	Fracture of unspecified part of neck of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.002J	Fracture of unspecified part of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing

S72.002K	Fracture of unspecified part of neck of left femur, subsequent encounter for closed fracture with nonunion
S72.002M	Fracture of unspecified part of neck of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.002N	Fracture of unspecified part of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.002P	Fracture of unspecified part of neck of left femur, subsequent encounter for closed fracture with malunion
S72.002Q	Fracture of unspecified part of neck of left femur, subsequent encounter for open fracture type I or II with malunion
S72.002R	Fracture of unspecified part of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.002S	Fracture of unspecified part of neck of left femur, sequela
S72.011A	Unspecified intracapsular fracture of right femur, initial encounter for closed fracture
S72.011B	Unspecified intracapsular fracture of right femur, initial encounter for open fracture type I or II
S72.011C	Unspecified intracapsular fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.011D	Unspecified intracapsular fracture of right femur, subsequent encounter for closed fracture with routine healing
S72.011E	Unspecified intracapsular fracture of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.011F	Unspecified intracapsular fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.011G	Unspecified intracapsular fracture of right femur, subsequent encounter for closed fracture with delayed healing
S72.011H	Unspecified intracapsular fracture of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.011J	Unspecified intracapsular fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.011K	Unspecified intracapsular fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.011M	Unspecified intracapsular fracture of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.011N	Unspecified intracapsular fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.011P	Unspecified intracapsular fracture of right femur, subsequent encounter for closed fracture with malunion
S72.011Q	Unspecified intracapsular fracture of right femur, subsequent encounter for open fracture type I or II with malunion
S72.011R	Unspecified intracapsular fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.011S	Unspecified intracapsular fracture of right femur, sequela
S72.012A	Unspecified intracapsular fracture of left femur, initial encounter for closed fracture
S72.012B	Unspecified intracapsular fracture of left femur, initial encounter for open fracture type I or II

S72.012C	Unspecified intracapsular fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.012D	Unspecified intracapsular fracture of left femur, subsequent encounter for closed fracture with routine healing
S72.012E	Unspecified intracapsular fracture of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.012F	Unspecified intracapsular fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.012G	Unspecified intracapsular fracture of left femur, subsequent encounter for closed fracture with delayed healing
S72.012H	Unspecified intracapsular fracture of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.012J	Unspecified intracapsular fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.012K	Unspecified intracapsular fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.012M	Unspecified intracapsular fracture of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.012N	Unspecified intracapsular fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.012P	Unspecified intracapsular fracture of left femur, subsequent encounter for closed fracture with malunion
S72.012Q	Unspecified intracapsular fracture of left femur, subsequent encounter for open fracture type I or II with malunion
S72.012R	Unspecified intracapsular fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.012S	Unspecified intracapsular fracture of left femur, sequela
S72.021A	Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for closed fracture
S72.021B	Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II
S72.021C	Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.021D	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for closed fracture with routine healing
S72.021E	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.021F	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.021G	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for closed fracture with delayed healing
S72.021H	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.021J	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.021K	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for closed fracture with nonunion

S72.021M	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.021N	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.021P	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for closed fracture with malunion
S72.021Q	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type I or II with malunion
S72.021R	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.021S	Displaced fracture of epiphysis (separation) (upper) of right femur, sequela
S72.022A	Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for closed fracture
S72.022B	Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II
S72.022C	Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.022D	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for closed fracture with routine healing
S72.022E	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.022F	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.022G	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for closed fracture with delayed healing
S72.022H	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.022J	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.022K	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for closed fracture with nonunion
S72.022M	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.022N	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.022P	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for closed fracture with malunion
S72.022Q	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type I or II with malunion
S72.022R	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.022S	Displaced fracture of epiphysis (separation) (upper) of left femur, sequela
S72.024A	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for closed fracture
S72.024B	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II

S72.024C	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.024D	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for closed fracture with routine healing
S72.024E	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.024F	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.024G	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for closed fracture with delayed healing
S72.024H	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.024J	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.024K	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for closed fracture with nonunion
S72.024M	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.024N	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.024P	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for closed fracture with malunion
S72.024Q	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type I or II with malunion
S72.024R	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.024S	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, sequela
S72.025A	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for closed fracture
S72.025B	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II
S72.025C	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.025D	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for closed fracture with routine healing
S72.025E	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.025F	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.025G	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for closed fracture with delayed healing
S72.025H	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.025J	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.025K	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for closed fracture with nonunion

S72.025M	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.025N	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.025P	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for closed fracture with malunion
S72.025Q	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type I or II with malunion
S72.025R	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.025S	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, sequela
S72.031A	Displaced midcervical fracture of right femur, initial encounter for closed fracture
S72.031B	Displaced midcervical fracture of right femur, initial encounter for open fracture type I or II
S72.031C	Displaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.031D	Displaced midcervical fracture of right femur, subsequent encounter for closed fracture with routine healing
S72.031E	Displaced midcervical fracture of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.031F	Displaced midcervical fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.031G	Displaced midcervical fracture of right femur, subsequent encounter for closed fracture with delayed healing
S72.031H	Displaced midcervical fracture of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.031J	Displaced midcervical fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.031K	Displaced midcervical fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.031M	Displaced midcervical fracture of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.031N	Displaced midcervical fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.031P	Displaced midcervical fracture of right femur, subsequent encounter for closed fracture with malunion
S72.031Q	Displaced midcervical fracture of right femur, subsequent encounter for open fracture type I or II with malunion
S72.031R	Displaced midcervical fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.031S	Displaced midcervical fracture of right femur, sequela
S72.032A	Displaced midcervical fracture of left femur, initial encounter for closed fracture
S72.032B	Displaced midcervical fracture of left femur, initial encounter for open fracture type I or II
S72.032C	Displaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72.032D	Displaced midcervical fracture of left femur, subsequent encounter for closed fracture with routine healing
S72.032E	Displaced midcervical fracture of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.032F	Displaced midcervical fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.032G	Displaced midcervical fracture of left femur, subsequent encounter for closed fracture with delayed healing
S72.032H	Displaced midcervical fracture of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.032J	Displaced midcervical fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.032K	Displaced midcervical fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.032M	Displaced midcervical fracture of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.032N	Displaced midcervical fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.032P	Displaced midcervical fracture of left femur, subsequent encounter for closed fracture with malunion
S72.032Q	Displaced midcervical fracture of left femur, subsequent encounter for open fracture type I or II with malunion
S72.032R	Displaced midcervical fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.032S	Displaced midcervical fracture of left femur, sequela
S72.034A	Nondisplaced midcervical fracture of right femur, initial encounter for closed fracture
S72.034B	Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type I or II
S72.034C	Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.034D	Nondisplaced midcervical fracture of right femur, subsequent encounter for closed fracture with routine healing
S72.034E	Nondisplaced midcervical fracture of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.034F	Nondisplaced midcervical fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.034G	Nondisplaced midcervical fracture of right femur, subsequent encounter for closed fracture with delayed healing
S72.034H	Nondisplaced midcervical fracture of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.034J	Nondisplaced midcervical fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.034K	Nondisplaced midcervical fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.034M	Nondisplaced midcervical fracture of right femur, subsequent encounter for open fracture type I or II with nonunion

S72.034N	Nondisplaced midcervical fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.034P	Nondisplaced midcervical fracture of right femur, subsequent encounter for closed fracture with malunion
S72.034Q	Nondisplaced midcervical fracture of right femur, subsequent encounter for open fracture type I or II with malunion
S72.034R	Nondisplaced midcervical fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.034S	Nondisplaced midcervical fracture of right femur, sequela
S72.035A	Nondisplaced midcervical fracture of left femur, initial encounter for closed fracture
S72.035B	Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type I or II
S72.035C	Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.035D	Nondisplaced midcervical fracture of left femur, subsequent encounter for closed fracture with routine healing
S72.035E	Nondisplaced midcervical fracture of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.035F	Nondisplaced midcervical fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.035G	Nondisplaced midcervical fracture of left femur, subsequent encounter for closed fracture with delayed healing
S72.035H	Nondisplaced midcervical fracture of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.035J	Nondisplaced midcervical fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.035K	Nondisplaced midcervical fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.035M	Nondisplaced midcervical fracture of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.035N	Nondisplaced midcervical fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.035P	Nondisplaced midcervical fracture of left femur, subsequent encounter for closed fracture with malunion
S72.035Q	Nondisplaced midcervical fracture of left femur, subsequent encounter for open fracture type I or II with malunion
S72.035R	Nondisplaced midcervical fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.035S	Nondisplaced midcervical fracture of left femur, sequela
S72.041A	Displaced fracture of base of neck of right femur, initial encounter for closed fracture
S72.041B	Displaced fracture of base of neck of right femur, initial encounter for open fracture type I or II
S72.041C	Displaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72.041D	Displaced fracture of base of neck of right femur, subsequent encounter for closed fracture with routine healing
S72.041E	Displaced fracture of base of neck of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.041F	Displaced fracture of base of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.041G	Displaced fracture of base of neck of right femur, subsequent encounter for closed fracture with delayed healing
S72.041H	Displaced fracture of base of neck of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.041J	Displaced fracture of base of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.041K	Displaced fracture of base of neck of right femur, subsequent encounter for closed fracture with nonunion
S72.041M	Displaced fracture of base of neck of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.041N	Displaced fracture of base of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.041P	Displaced fracture of base of neck of right femur, subsequent encounter for closed fracture with malunion
S72.041Q	Displaced fracture of base of neck of right femur, subsequent encounter for open fracture type I or II with malunion
S72.041R	Displaced fracture of base of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.041S	Displaced fracture of base of neck of right femur, sequela
S72.042A	Displaced fracture of base of neck of left femur, initial encounter for closed fracture
S72.042B	Displaced fracture of base of neck of left femur, initial encounter for open fracture type I or II
S72.042C	Displaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.042D	Displaced fracture of base of neck of left femur, subsequent encounter for closed fracture with routine healing
S72.042E	Displaced fracture of base of neck of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.042F	Displaced fracture of base of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.042G	Displaced fracture of base of neck of left femur, subsequent encounter for closed fracture with delayed healing
S72.042H	Displaced fracture of base of neck of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.042J	Displaced fracture of base of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.042K	Displaced fracture of base of neck of left femur, subsequent encounter for closed fracture with nonunion
S72.042M	Displaced fracture of base of neck of left femur, subsequent encounter for open fracture type I or II with nonunion

S72.042N	Displaced fracture of base of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.042P	Displaced fracture of base of neck of left femur, subsequent encounter for closed fracture with malunion
S72.042Q	Displaced fracture of base of neck of left femur, subsequent encounter for open fracture type I or II with malunion
S72.042R	Displaced fracture of base of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.042S	Displaced fracture of base of neck of left femur, sequela
S72.044A	Nondisplaced fracture of base of neck of right femur, initial encounter for closed fracture
S72.044B	Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type I or II
S72.044C	Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.044D	Nondisplaced fracture of base of neck of right femur, subsequent encounter for closed fracture with routine healing
S72.044E	Nondisplaced fracture of base of neck of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.044F	Nondisplaced fracture of base of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.044G	Nondisplaced fracture of base of neck of right femur, subsequent encounter for closed fracture with delayed healing
S72.044H	Nondisplaced fracture of base of neck of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.044J	Nondisplaced fracture of base of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.044K	Nondisplaced fracture of base of neck of right femur, subsequent encounter for closed fracture with nonunion
S72.044M	Nondisplaced fracture of base of neck of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.044N	Nondisplaced fracture of base of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.044P	Nondisplaced fracture of base of neck of right femur, subsequent encounter for closed fracture with malunion
S72.044Q	Nondisplaced fracture of base of neck of right femur, subsequent encounter for open fracture type I or II with malunion
S72.044R	Nondisplaced fracture of base of neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.044S	Nondisplaced fracture of base of neck of right femur, sequela
S72.045A	Nondisplaced fracture of base of neck of left femur, initial encounter for closed fracture
S72.045B	Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type I or II
S72.045C	Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72.045D	Nondisplaced fracture of base of neck of left femur, subsequent encounter for closed fracture with routine healing
S72.045E	Nondisplaced fracture of base of neck of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.045F	Nondisplaced fracture of base of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.045G	Nondisplaced fracture of base of neck of left femur, subsequent encounter for closed fracture with delayed healing
S72.045H	Nondisplaced fracture of base of neck of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.045J	Nondisplaced fracture of base of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.045K	Nondisplaced fracture of base of neck of left femur, subsequent encounter for closed fracture with nonunion
S72.045M	Nondisplaced fracture of base of neck of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.045N	Nondisplaced fracture of base of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.045P	Nondisplaced fracture of base of neck of left femur, subsequent encounter for closed fracture with malunion
S72.045Q	Nondisplaced fracture of base of neck of left femur, subsequent encounter for open fracture type I or II with malunion
S72.045R	Nondisplaced fracture of base of neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.045S	Nondisplaced fracture of base of neck of left femur, sequela
S72.051A	Unspecified fracture of head of right femur, initial encounter for closed fracture
S72.051B	Unspecified fracture of head of right femur, initial encounter for open fracture type I or II
S72.051C	Unspecified fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.051D	Unspecified fracture of head of right femur, subsequent encounter for closed fracture with routine healing
S72.051E	Unspecified fracture of head of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.051F	Unspecified fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.051G	Unspecified fracture of head of right femur, subsequent encounter for closed fracture with delayed healing
S72.051H	Unspecified fracture of head of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.051J	Unspecified fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.051K	Unspecified fracture of head of right femur, subsequent encounter for closed fracture with nonunion
S72.051M	Unspecified fracture of head of right femur, subsequent encounter for open fracture type I or II with nonunion

S72.051N	Unspecified fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.051P	Unspecified fracture of head of right femur, subsequent encounter for closed fracture with malunion
S72.051Q	Unspecified fracture of head of right femur, subsequent encounter for open fracture type I or II with malunion
S72.051R	Unspecified fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.051S	Unspecified fracture of head of right femur, sequela
S72.052A	Unspecified fracture of head of left femur, initial encounter for closed fracture
S72.052B	Unspecified fracture of head of left femur, initial encounter for open fracture type I or II
S72.052C	Unspecified fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.052D	Unspecified fracture of head of left femur, subsequent encounter for closed fracture with routine healing
S72.052E	Unspecified fracture of head of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.052F	Unspecified fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.052G	Unspecified fracture of head of left femur, subsequent encounter for closed fracture with delayed healing
S72.052H	Unspecified fracture of head of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.052J	Unspecified fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.052K	Unspecified fracture of head of left femur, subsequent encounter for closed fracture with nonunion
S72.052M	Unspecified fracture of head of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.052N	Unspecified fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.052P	Unspecified fracture of head of left femur, subsequent encounter for closed fracture with malunion
S72.052Q	Unspecified fracture of head of left femur, subsequent encounter for open fracture type I or II with malunion
S72.052R	Unspecified fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.052S	Unspecified fracture of head of left femur, sequela
S72.061A	Displaced articular fracture of head of right femur, initial encounter for closed fracture
S72.061B	Displaced articular fracture of head of right femur, initial encounter for open fracture type I or II
S72.061C	Displaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.061D	Displaced articular fracture of head of right femur, subsequent encounter for closed

	fracture with routine healing
S72.061E	Displaced articular fracture of head of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.061F	Displaced articular fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.061G	Displaced articular fracture of head of right femur, subsequent encounter for closed fracture with delayed healing
S72.061H	Displaced articular fracture of head of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.061J	Displaced articular fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.061K	Displaced articular fracture of head of right femur, subsequent encounter for closed fracture with nonunion
S72.061M	Displaced articular fracture of head of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.061N	Displaced articular fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.061P	Displaced articular fracture of head of right femur, subsequent encounter for closed fracture with malunion
S72.061Q	Displaced articular fracture of head of right femur, subsequent encounter for open fracture type I or II with malunion
S72.061R	Displaced articular fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.061S	Displaced articular fracture of head of right femur, sequela
S72.062A	Displaced articular fracture of head of left femur, initial encounter for closed fracture
S72.062B	Displaced articular fracture of head of left femur, initial encounter for open fracture type I or II
S72.062C	Displaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.062D	Displaced articular fracture of head of left femur, subsequent encounter for closed fracture with routine healing
S72.062E	Displaced articular fracture of head of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.062F	Displaced articular fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.062G	Displaced articular fracture of head of left femur, subsequent encounter for closed fracture with delayed healing
S72.062H	Displaced articular fracture of head of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.062J	Displaced articular fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.062K	Displaced articular fracture of head of left femur, subsequent encounter for closed fracture with nonunion
S72.062M	Displaced articular fracture of head of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.062N	Displaced articular fracture of head of left femur, subsequent encounter for open

	fracture type IIIA, IIIB, or IIIC with nonunion
S72.062P	Displaced articular fracture of head of left femur, subsequent encounter for closed fracture with malunion
S72.062Q	Displaced articular fracture of head of left femur, subsequent encounter for open fracture type I or II with malunion
S72.062R	Displaced articular fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.062S	Displaced articular fracture of head of left femur, sequela
S72.064A	Nondisplaced articular fracture of head of right femur, initial encounter for closed fracture
S72.064B	Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type I or II
S72.064C	Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.064D	Nondisplaced articular fracture of head of right femur, subsequent encounter for closed fracture with routine healing
S72.064E	Nondisplaced articular fracture of head of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.064F	Nondisplaced articular fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.064G	Nondisplaced articular fracture of head of right femur, subsequent encounter for closed fracture with delayed healing
S72.064H	Nondisplaced articular fracture of head of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.064J	Nondisplaced articular fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.064K	Nondisplaced articular fracture of head of right femur, subsequent encounter for closed fracture with nonunion
S72.064M	Nondisplaced articular fracture of head of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.064N	Nondisplaced articular fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.064P	Nondisplaced articular fracture of head of right femur, subsequent encounter for closed fracture with malunion
S72.064Q	Nondisplaced articular fracture of head of right femur, subsequent encounter for open fracture type I or II with malunion
S72.064R	Nondisplaced articular fracture of head of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.064S	Nondisplaced articular fracture of head of right femur, sequela
S72.065A	Nondisplaced articular fracture of head of left femur, initial encounter for closed fracture
S72.065B	Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type I or II
S72.065C	Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.065D	Nondisplaced articular fracture of head of left femur, subsequent encounter for

	closed fracture with routine healing
S72.065E	Nondisplaced articular fracture of head of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.065F	Nondisplaced articular fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.065G	Nondisplaced articular fracture of head of left femur, subsequent encounter for closed fracture with delayed healing
S72.065H	Nondisplaced articular fracture of head of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.065J	Nondisplaced articular fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.065K	Nondisplaced articular fracture of head of left femur, subsequent encounter for closed fracture with nonunion
S72.065M	Nondisplaced articular fracture of head of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.065N	Nondisplaced articular fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.065P	Nondisplaced articular fracture of head of left femur, subsequent encounter for closed fracture with malunion
S72.065Q	Nondisplaced articular fracture of head of left femur, subsequent encounter for open fracture type I or II with malunion
S72.065R	Nondisplaced articular fracture of head of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.065S	Nondisplaced articular fracture of head of left femur, sequela
S72.091A	Other fracture of head and neck of right femur, initial encounter for closed fracture
S72.091B	Other fracture of head and neck of right femur, initial encounter for open fracture type I or II
S72.091C	Other fracture of head and neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.091D	Other fracture of head and neck of right femur, subsequent encounter for closed fracture with routine healing
S72.091E	Other fracture of head and neck of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.091F	Other fracture of head and neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.091G	Other fracture of head and neck of right femur, subsequent encounter for closed fracture with delayed healing
S72.091H	Other fracture of head and neck of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.091J	Other fracture of head and neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.091K	Other fracture of head and neck of right femur, subsequent encounter for closed fracture with nonunion
S72.091M	Other fracture of head and neck of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.091N	Other fracture of head and neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion

S72.091P	Other fracture of head and neck of right femur, subsequent encounter for closed fracture with malunion
S72.091Q	Other fracture of head and neck of right femur, subsequent encounter for open fracture type I or II with malunion
S72.091R	Other fracture of head and neck of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.091S	Other fracture of head and neck of right femur, sequela
S72.092A	Other fracture of head and neck of left femur, initial encounter for closed fracture
S72.092B	Other fracture of head and neck of left femur, initial encounter for open fracture type I or II
S72.092C	Other fracture of head and neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.092D	Other fracture of head and neck of left femur, subsequent encounter for closed fracture with routine healing
S72.092E	Other fracture of head and neck of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.092F	Other fracture of head and neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.092G	Other fracture of head and neck of left femur, subsequent encounter for closed fracture with delayed healing
S72.092H	Other fracture of head and neck of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.092J	Other fracture of head and neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.092K	Other fracture of head and neck of left femur, subsequent encounter for closed fracture with nonunion
S72.092M	Other fracture of head and neck of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.092N	Other fracture of head and neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.092P	Other fracture of head and neck of left femur, subsequent encounter for closed fracture with malunion
S72.092Q	Other fracture of head and neck of left femur, subsequent encounter for open fracture type I or II with malunion
S72.092R	Other fracture of head and neck of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.092S	Other fracture of head and neck of left femur, sequela
S72.8X1A	Other fracture of right femur, initial encounter for closed fracture
S72.8X1B	Other fracture of right femur, initial encounter for open fracture type I or II
S72.8X1C	Other fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.8X1D	Other fracture of right femur, subsequent encounter for closed fracture with routine healing
S72.8X1E	Other fracture of right femur, subsequent encounter for open fracture type I or II with routine healing

S72.8X1F	Other fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.8X1G	Other fracture of right femur, subsequent encounter for closed fracture with delayed healing
S72.8X1H	Other fracture of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.8X1J	Other fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.8X1K	Other fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.8X1M	Other fracture of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.8X1N	Other fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.8X1P	Other fracture of right femur, subsequent encounter for closed fracture with malunion
S72.8X1Q	Other fracture of right femur, subsequent encounter for open fracture type I or II with malunion
S72.8X1R	Other fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.8X1S	Other fracture of right femur, sequela
S72.8X2A	Other fracture of left femur, initial encounter for closed fracture
S72.8X2B	Other fracture of left femur, initial encounter for open fracture type I or II
S72.8X2C	Other fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.8X2D	Other fracture of left femur, subsequent encounter for closed fracture with routine healing
S72.8X2E	Other fracture of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.8X2F	Other fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.8X2G	Other fracture of left femur, subsequent encounter for closed fracture with delayed healing
S72.8X2H	Other fracture of left femur, subsequent encounter for open fracture type I or II with delayed healing
S72.8X2J	Other fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.8X2K	Other fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.8X2M	Other fracture of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.8X2N	Other fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.8X2P	Other fracture of left femur, subsequent encounter for closed fracture with malunion
S72.8X2Q	Other fracture of left femur, subsequent encounter for open fracture type I or II with malunion

S72.8X2R	Other fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.8X2S	Other fracture of left femur, sequela
S72.91XA	Unspecified fracture of right femur, initial encounter for closed fracture
S72.91XB	Unspecified fracture of right femur, initial encounter for open fracture type I or II
S72.91XC	Unspecified fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.91XD	Unspecified fracture of right femur, subsequent encounter for closed fracture with routine healing
S72.91XE	Unspecified fracture of right femur, subsequent encounter for open fracture type I or II with routine healing
S72.91XF	Unspecified fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.91XG	Unspecified fracture of right femur, subsequent encounter for closed fracture with delayed healing
S72.91XH	Unspecified fracture of right femur, subsequent encounter for open fracture type I or II with delayed healing
S72.91XJ	Unspecified fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.91XK	Unspecified fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.91XM	Unspecified fracture of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.91XN	Unspecified fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.91XP	Unspecified fracture of right femur, subsequent encounter for closed fracture with malunion
S72.91XQ	Unspecified fracture of right femur, subsequent encounter for open fracture type I or II with malunion
S72.91XR	Unspecified fracture of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.91XS	Unspecified fracture of right femur, sequela
S72.92XA	Unspecified fracture of left femur, initial encounter for closed fracture
S72.92XB	Unspecified fracture of left femur, initial encounter for open fracture type I or II
S72.92XC	Unspecified fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72.92XD	Unspecified fracture of left femur, subsequent encounter for closed fracture with routine healing
S72.92XE	Unspecified fracture of left femur, subsequent encounter for open fracture type I or II with routine healing
S72.92XF	Unspecified fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
S72.92XG	Unspecified fracture of left femur, subsequent encounter for closed fracture with delayed healing
S72.92XH	Unspecified fracture of left femur, subsequent encounter for open fracture type I or

	II with delayed healing
S72.92XJ	Unspecified fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
S72.92XK	Unspecified fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.92XM	Unspecified fracture of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.92XN	Unspecified fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
S72.92XP	Unspecified fracture of left femur, subsequent encounter for closed fracture with malunion
S72.92XQ	Unspecified fracture of left femur, subsequent encounter for open fracture type I or II with malunion
S72.92XR	Unspecified fracture of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S72.92XS	Unspecified fracture of left femur, sequela
S79.001A	Unspecified physeal fracture of upper end of right femur, initial encounter for closed fracture
S79.001D	Unspecified physeal fracture of upper end of right femur, subsequent encounter for fracture with routine healing
S79.001G	Unspecified physeal fracture of upper end of right femur, subsequent encounter for fracture with delayed healing
S79.001K	Unspecified physeal fracture of upper end of right femur, subsequent encounter for fracture with nonunion
S79.001P	Unspecified physeal fracture of upper end of right femur, subsequent encounter for fracture with malunion
S79.001S	Unspecified physeal fracture of upper end of right femur, sequela
S79.002A	Unspecified physeal fracture of upper end of left femur, initial encounter for closed fracture
S79.002D	Unspecified physeal fracture of upper end of left femur, subsequent encounter for fracture with routine healing
S79.002G	Unspecified physeal fracture of upper end of left femur, subsequent encounter for fracture with delayed healing
S79.002K	Unspecified physeal fracture of upper end of left femur, subsequent encounter for fracture with nonunion
S79.002P	Unspecified physeal fracture of upper end of left femur, subsequent encounter for fracture with malunion
S79.002S	Unspecified physeal fracture of upper end of left femur, sequela
S79.091A	Other physeal fracture of upper end of right femur, initial encounter for closed fracture
S79.091D	Other physeal fracture of upper end of right femur, subsequent encounter for fracture with routine healing
S79.091G	Other physeal fracture of upper end of right femur, subsequent encounter for fracture with delayed healing
S79.091K	Other physeal fracture of upper end of right femur, subsequent encounter for fracture with nonunion

S79.091P	Other physeal fracture of upper end of right femur, subsequent encounter for fracture with malunion
S79.091S	Other physeal fracture of upper end of right femur, sequela
S79.092A	Other physeal fracture of upper end of left femur, initial encounter for closed fracture
S79.092D	Other physeal fracture of upper end of left femur, subsequent encounter for fracture with routine healing
S79.092G	Other physeal fracture of upper end of left femur, subsequent encounter for fracture with delayed healing
S79.092K	Other physeal fracture of upper end of left femur, subsequent encounter for fracture with nonunion
S79.092P	Other physeal fracture of upper end of left femur, subsequent encounter for fracture with malunion
S79.092S	Other physeal fracture of upper end of left femur, sequela
T84.010A	Broken internal right hip prosthesis, initial encounter
T84.010D	Broken internal right hip prosthesis, subsequent encounter
T84.010S	Broken internal right hip prosthesis, sequela
T84.011A	Broken internal left hip prosthesis, initial encounter
T84.011D	Broken internal left hip prosthesis, subsequent encounter
T84.011S	Broken internal left hip prosthesis, sequela
T84.020A	Dislocation of internal right hip prosthesis, initial encounter
T84.020D	Dislocation of internal right hip prosthesis, subsequent encounter
T84.020S	Dislocation of internal right hip prosthesis, sequela
T84.021A	Dislocation of internal left hip prosthesis, initial encounter
T84.021D	Dislocation of internal left hip prosthesis, subsequent encounter
T84.021S	Dislocation of internal left hip prosthesis, sequela
T84.030A	Mechanical loosening of internal right hip prosthetic joint, initial encounter
T84.030D	Mechanical loosening of internal right hip prosthetic joint, subsequent encounter
T84.030S	Mechanical loosening of internal right hip prosthetic joint, sequela
T84.031A	Mechanical loosening of internal left hip prosthetic joint, initial encounter
T84.031D	Mechanical loosening of internal left hip prosthetic joint, subsequent encounter
T84.031S	Mechanical loosening of internal left hip prosthetic joint, sequela
T84.050A	Periprosthetic osteolysis of internal prosthetic right hip joint, initial encounter
T84.050D	Periprosthetic osteolysis of internal prosthetic right hip joint, subsequent encounter
T84.050S	Periprosthetic osteolysis of internal prosthetic right hip joint, sequela
T84.051A	Periprosthetic osteolysis of internal prosthetic left hip joint, initial encounter
T84.051D	Periprosthetic osteolysis of internal prosthetic left hip joint, subsequent encounter

T84.051S	Periprosthetic osteolysis of internal prosthetic left hip joint, sequela
T84.060A	Wear of articular bearing surface of internal prosthetic right hip joint, initial encounter
T84.060D	Wear of articular bearing surface of internal prosthetic right hip joint, subsequent encounter
T84.060S	Wear of articular bearing surface of internal prosthetic right hip joint, sequela
T84.061A	Wear of articular bearing surface of internal prosthetic left hip joint, initial encounter
T84.061D	Wear of articular bearing surface of internal prosthetic left hip joint, subsequent encounter
T84.061S	Wear of articular bearing surface of internal prosthetic left hip joint, sequela
T84.090A	Other mechanical complication of internal right hip prosthesis, initial encounter
T84.090D	Other mechanical complication of internal right hip prosthesis, subsequent encounter
T84.090S	Other mechanical complication of internal right hip prosthesis, sequela
T84.091A	Other mechanical complication of internal left hip prosthesis, initial encounter
T84.091D	Other mechanical complication of internal left hip prosthesis, subsequent encounter
T84.091S	Other mechanical complication of internal left hip prosthesis, sequela
T84.51XA	Infection and inflammatory reaction due to internal right hip prosthesis, initial encounter
T84.51XD	Infection and inflammatory reaction due to internal right hip prosthesis, subsequent encounter
T84.51XS	Infection and inflammatory reaction due to internal right hip prosthesis, sequela
T84.52XA	Infection and inflammatory reaction due to internal left hip prosthesis, initial encounter
T84.52XD	Infection and inflammatory reaction due to internal left hip prosthesis, subsequent encounter
T84.52XS	Infection and inflammatory reaction due to internal left hip prosthesis, sequela
Z47.32	Aftercare following explantation of hip joint prosthesis
Z89.621	Acquired absence of right hip joint
Z89.622	Acquired absence of left hip joint

ICD-10 Codes that DO NOT Support Medical Necessity

N/A

ICD-10 Additional Information

- General Information

Associated Information Documentation Requirements

In order to qualify for coverage of both Medicare Part A inpatient services and Part B provider services the medical record must contain documentation that fully supports the medical necessity and justification of the procedure performed and must be made available to Noridian upon request. When the documentation does not meet the criteria for the service(s) rendered or the

documentation does not establish the medical necessity for the service(s), such service(s) will be denied as not reasonable and necessary.

A history and physical, discharge summary, physician progress notes and an operative report are typically in the hospital record for the procedures in this LCD. Other relevant information addressing coverage criteria related to the patient's episode of care prior to the hospitalization, should be included in the hospital record (see below). Failure to include this information in the hospital record may result in denial of coverage for Part A services and trigger a review of the Part B provider claim to determine whether the Part B service rendered was reasonable and necessary.

When the procedure is indicated for advanced joint disease, the following should be documented in the medical record:

- Arthritis of the hip supported by X-ray, MRI or CT. The X-ray, MRI or CT, as medically necessary, should demonstrate and the provider must document one or more of the following:

- a) subchondral cysts,
- b) subchondral sclerosis,
- c) periarticular osteophytes,
- d) joint subluxation,
- e) the degree of joint space narrowing,
- f) avascular necrosis or
- g) bone on bone articulations

- Pain or functional disability at the hip. Pain and/or functional disability should be described in context. For example, documented pain that interferes with ADLs (functional disability), or pain that is increased with initiation of activities or pain that increases with weight bearing.

- Unsuccessful conservative therapy (non-surgical medical management) if appropriate. The documentation should demonstrate a history of a reasonable attempt at conservative therapy as appropriate for the patient in his/her current episode of care. For example, documented trial of NSAIDs or contraindication to such therapy and/or documented supervised physical therapy. Documentation should support that ADLs are diminished due to pain and/or disability despite non-surgical medical management.

- For patients with significant conditions or co-morbidities, the risk/benefit of non-cardiac surgery, such as THA should be appropriately addressed in the medical record.

Medical record documentation for other THR/THA indications outlined in the LCD should include the following, when indicated:

- Supporting evidence (e.g., pathology reports and referral from an Oncologist for a malignancy of the joint or X-ray of a fracture).

- Pain at the hip when indicated as a reason for the procedure (e.g., for revision/replacement THR/THA). For example, documented pain that interferes with ADLs (functional disability), pain that is increased with initiation of activities or pain that increases with weight bearing.

- For patients with significant conditions or co-morbidities, the risk/benefit of non-cardiac surgery, such as THR/THA should be appropriately addressed in the medical record.

- When infection is the reason for revision THR/THA surgery, laboratory and/or pathology reports must be in the medical record and all documentation regarding treatment of the infection and a physician note indicating that it is appropriate to proceed with surgery should be in the medical record as well.

In the instance that the patient is undergoing a bilateral hip replacement, all criteria listed above would apply to the bilateral surgery when indicated. The medical record should also support the medical necessity for performing a bilateral THR/THA.

The treating physician must discuss the significant benefit and risks with the patient. In order to meet Medicare's reasonable and necessary (R&N) threshold for coverage of a procedure, the physician's documentation for the case should clearly support both the diagnostic criteria for the indication (standard test results and/or clinical findings as applicable) and the medical need (the procedure does not exceed the medical need and is at least as beneficial as existing alternatives & the procedure is furnished with accepted standards of medical practice in a setting appropriate for the patient's medical needs and condition). **Lacking compelling arguments for an exception in the supporting documentation, the hospital and physician services can be denied.**

If in certain circumstances the patient does not meet all of the required criteria outlined in the local coverage determination (LCD) for a procedure, but the treating physician feels that the procedure is a covered procedure given the current standards of care, then the documentation must clearly outline the patient's episode of care that supports the major procedure and must clearly address the reason(s) for coverage. For example, if clinical findings (or lack of) for an indication are not consistent with the LCD criteria, it should be directly addressed in the pre procedure documentation. For example, if certain conservative measures are not necessary or appropriate for a given patient, it should be directly noted in the pre procedure documentation. The clinical judgment of the treating physician is always a consideration if clearly addressed in the pre procedure record and if consistent with the episode of care for the patient as documented in patient records and claim history.

Review of the medical record must indicate that inpatient hospital care was medically necessary, reasonable, and appropriate for the diagnosis and condition of the beneficiary at any time during the stay. The beneficiary must demonstrate signs and/or symptoms severe enough to warrant the need for medical care and must receive services of such intensity that they can be

furnished safely and effectively only on an inpatient basis.

Utilization Guidelines

It is expected that these services would be performed as indicated by current medical literature and/or standards of practice. When services are performed in excess of established parameters they may be subject to review for medical necessity.

The devices/implants utilized for total hip replacement surgeries are regulated by the FDA as medical devices. The devices used should be class II or class III devices that meet the requirements outlined in CFR 21, Chapter 1, subchapter H, Part 888.

Sources of Information and Basis for Decision

1. Ackerman IN, Bennell KL, Osborne RH. Decline in health-related quality of life reported by more than half of those waiting for joint replacement surgery: a prospective cohort study. *BMC Musculoskeletal Disorders*.2011;12:108.
2. InterQual® 2011 Procedures Adult Criteria, Total Joint Replacement, Knee and Hip & Removal and Replacement , Total Joint Replacement Knee and Hip. McKesson Corporation.
3. Milliman Care Guidelines® 2011. Inpatient and Surgical Care 15th Edition. Knee Arthroplasty and Hip Arthroplasty. Milliman Care Guidelines LLC.
4. National Guideline Clearinghouse. Osteoarthritis. The care and management of osteoarthritis in adults. Retrieved from <http://www.guideline.gov/content.aspx?id=14322&search=osteoarthritis.+the+care+and+management+of+osteoarthritis+in+adults>.
5. U.S. National Library of Medicine, National Institute of Health. Hip joint replacement. Retrieved from <http://www.nlm.nih.gov/medlineplus/ency/article/002975.htm>

- Revision History Information

REVISION HISTORY DATE	REVISION HISTORY NUMBER	REVISION HISTORY EXPLANATION	REASON(S) FOR CHANGE
10/01/2016	R1	<p>Effective 09/07/2016 LCD revised to remove the following 7th character information from Paragraph 1 and added each appropriate 7th character to each of the appropriate diagnosis codes.</p> <p>Total Hip Arthroplasty The appropriate 7th character is to be added to each code from category M80 as well as to each code from subcategories M84.3, M84.4, M84.5 and M84.6 from the following list:</p> <ul style="list-style-type: none"> o A: initial encounter for fracture o D: subsequent encounter for fracture with routine healing o G: subsequent encounter for fracture with delayed healing o K: subsequent encounter for fracture with nonunion o P: subsequent encounter for fracture with malunion o S: sequela <p>The appropriate 7th character is to be added to each code from category S32 from the following list:</p> <ul style="list-style-type: none"> o A: initial encounter for closed fracture o B: initial encounter for open fracture 	<ul style="list-style-type: none"> • Other (Added all the appropriate 7th characters to all the appropriate DX codes)

- o D: subsequent encounter for fracture with routine healing
- o G: subsequent encounter for fracture with delayed healing
- o K: subsequent encounter for fracture with nonunion
- o S: sequela

The appropriate 7th character is to be added to all of the codes from category **S72** from the following list:

- o A: initial encounter for closed fracture
- o B: initial encounter for open fracture type I or II initial encounter for open fracture NOS
- o C: initial encounter for open fracture type IIIA, IIIB, or IIIC
- o D: subsequent encounter for closed fracture with routine healing
- o E: subsequent encounter for open fracture type I or II with routine healing
- o F: subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
- o G: subsequent encounter for closed fracture with delayed healing
- o H: subsequent encounter for open fracture type I or II with delayed healing
- o J: subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
- o K: subsequent encounter for closed fracture with nonunion
- o M: subsequent encounter for open fracture type I or II with nonunion
- o N: subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
- o P: subsequent encounter for closed fracture with malunion
- o Q: subsequent encounter for open fracture type I or II with malunion
- o R: subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
- o S: sequela

The appropriate 7th character is to be added to each code from subcategory **S79.0** from the following list:

- o A: initial encounter for closed fracture
- o D: subsequent encounter for fracture with routine healing
- o G: subsequent encounter for fracture with delayed healing
- o K: subsequent encounter for fracture with nonunion
- o P: subsequent encounter for fracture with malunion
- o S: sequela

The appropriate 7th character is to be added to each code from category **T84** from the following list:

- o A: initial encounter

		<p>o D: subsequent encounter o S: sequela</p> <p>Effective 10/01/2016 LCD revised to add ICD-10-CM codes M97.01XA, M97.01XD M97.01XS. M97.02XA, M97.02XD and M97.02XS.</p> <p>Effective 10/01/2016 deleted ICD-10 CM codes T84.040A, T84.040D, T84.040S, T87.041A, T84.041D & T84.041S</p>	
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- Associated Documents

Attachments

N/A

Related Local Coverage Documents

Article(s)

A55076 - Response to Comments: Total Hip Arthroplasty

LCD(s)

DL36573 - (MCD Archive Site)

Related National Coverage Documents

N/A

Public Version(s)

Updated on 09/22/2016 with effective dates 10/01/2016 - N/A

Updated on 07/08/2016 with effective dates 09/07/2016 - N/A

- Keywords

- Total hip arthroplasty
- Hip
- 27130
- 27132
- 27134
- 27137
- 27138

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