

Total Knee Arthroplasty

Noridian Healthcare Solutions, LLC

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Jump to Section...

The paragraph "Occasionally, there may be a need to perform a reoperation on a previous total knee replacement. This is often referred to as a revision total knee" was inadvertently not added in this draft LCD for JE A and B in the Coverage Indications, Limitations and/or Medical Necessity section but will be included after the comment period ends and the LCD is finalized.



Please Note: This is a Proposed LCD.

Proposed LCDs are works in progress and not necessarily a reflection of the current policies or practices. Proposed LCDs in an approval status display on the CMS MCD for public review.

Contractor Information



Contractor Name	Noridian Healthcare Solutions, LLC
Contract Number	01112

Contract Type A and B MAC
 (A and B MAC - 01111 - J - E) Noridian Healthcare Solutions, LLC, (A and B MAC - 01211 - J - E) Noridian
Associated Healthcare Solutions, LLC, (A and B MAC - 01311 - J - E) Noridian Healthcare Solutions, LLC, (A and B MAC -
Contract 01911 - J - E) Noridian Healthcare Solutions, LLC, (A and B MAC - 01182 - J - E) Noridian Healthcare
Numbers Solutions, LLC, (A and B MAC - 01212 - J - E) Noridian Healthcare Solutions, LLC, (A and B MAC - 01312 - J -
 E) Noridian Healthcare Solutions, LLC

Proposed LCD Information



Source LCD ID N/A

Proposed LCD ID DL36575

Original ICD-9 LCD ID N/A

Proposed LCD Version 5

Proposed LCD Title Total Knee Arthroplasty

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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.

**CMS National
Coverage Policy**

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, arthroscope

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

Jurisdiction California - Northern

**Super MAC
Jurisdiction** J - E

Coverage Guidance



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 knee is the largest joint in the body and includes the lower end of the femur, the upper end of the tibia and the patella. The knee joint has three compartments, the medial, the lateral and the patellofemoral. The surfaces of these compartments are covered with articular cartilage and are bathed in synovial fluid. The bones of the knee joint work together, allowing the knee to function smoothly.

The most common reason for total knee replacement surgery is arthritis of the knee joint. Types of arthritis include:

- osteoarthritis,
- rheumatoid arthritis and
- traumatic arthritis (arthritis which occurs as a result of injury).

**Coverage Indications,
Limitations and/or
Medical Necessity**

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. Other findings include chronic knee inflammation or swelling not relieved by rest, knee stiffness, lack of pain relief after taking non-steroidal anti-inflammatory medications and failure to achieve symptom improvement with other conservative therapies such as steroid injections and physical therapy.

Osteonecrosis and malignancy are additional reasons to proceed with total knee replacement surgery. The use of TKR in patients with malignancy must be weighed against considerations of life expectancy and possible alternative procedures to relieve pain. The goal of total knee replacement surgery is to relieve pain and improve or increase patient function.

Circumstances that lead to the need for a revision total knee 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 Knee Arthroplasty (TKA)

Indications:

Noridian will consider total knee 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) supported evidence (subchondral cysts, subchondral sclerosis, periarticular osteophytes, joint subluxation, joint space narrowing, avascular necrosis); **and**
- Pain 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 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 knee 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 inappropriate, the medical record should indicate the rationale for and circumstances under which this is the case.

- Failure of a previous osteotomy; or
- Distal femur fracture; or
- Malignancy of the distal femur, proximal tibia, knee joint or adjacent soft tissues; or
- Failure of previous unicompartmental knee replacement; or
- Avascular necrosis of the knee; or
- Proximal tibia fracture

*See Associated Information - Documentation Requirements section for additional information.

Indications for Replacement/Revision of Total Knee Arthroplasty

- Loosening of one or more components, or
- Fracture or mechanical failure of one or more component, or
- Infection, or
- Treatment of periprosthetic fracture of distal femur, proximal tibia or patella, or
- Progressive or substantial periprosthetic bone loss, or
- Bearing surface wear leading to symptomatic synovitis, or

- Implant or knee misalignment, or
- Knee stiffness/arthrofibrosis, or
- Tibiofemoral instability, or
- Extensor mechanism instability

Limitations

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

- Active infection of the knee 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 knee
- Rapidly progressive neurological disease except in the clinical situation of a concomitant displaced femoral neck fracture

The following conditions are relative contraindications to total knee 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 knee replacement surgery. With respect to knee replacement surgery, there is a form of knee joint replacement surgery called unicompartmental knee replacement. This is typically done for patients with osteoarthritis of the knee in which the damage is contained to one compartment of the knee. The indications outlined in this LCD are not to be applied for unicompartmental knee replacement surgery. Failed previous unicompartmental joint replacement is an indication for performing a total knee arthroplasty.

Proposed Process Information



Synopsis of Changes	Changes	Fields Changed
	Not Applicable	

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.

Associated Information

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 knee supported by X-ray or MRI. The X-ray or MRI 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 knee. 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 TKR/TKA 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 knee when indicated as a reason for the procedure (e.g., for revision/replacement TKR/TKA). 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 TKR/TKA should be appropriately addressed in the medical record.
- When infection is the reason for revision TKR/TKA 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 knee 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 TKR/TKA.

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 knee 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.

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. Agency for Healthcare Research and Quality (AHRQ). Evidence Report/Technology Assessment: Number 86. Total Knee Replacement. Retrieved from <http://archive.ahrq.gov/clinic/epcsums/kneesum.htm>

3. American Academy of Orthopaedic Surgeons (2008). Treatment of osteoarthritis of the knee (non-arthroplasty): Full guideline.

4. Dennis D, Berry D, Engh G, et al. AAOS Symposium: Revision total knee arthroplasty. *Journal of the American Academy of Orthopaedic Surgeons*. 2008;16:442-454.

5. Emedicine. Total knee arthroplasty. Retrieved from <http://emedicine.medscape.com/article/1250275-overview>

6. Feeley BT, Gallo RA, Sherman S, Williams RJ. Management of osteoarthritis of the knee in the active patient. *Journal of the American Academy of Orthopaedic Surgeons*. 2010;18(7):406-416.

7. InterQual® 2011 Procedures Adult Criteria, Total Joint Replacement, Knee and Hip & Removal and Replacement , Total Joint Replacement Knee and Hip. McKesson Corporation.

Sources of Information and Basis for Decision

8. Milliman Care Guidelines® 2011. Inpatient and Surgical Care 15th Edition. Knee Arthroplasty and Hip Arthroplasty. Milliman Care Guidelines LLC.

9. 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>.

10. O'Connor MI. Implant Survival, knee function and pain relief after TKA. Are there differences between men and women? *Clinical Orthopaedics and Related Research*. 2011;469:1846-1851.

Open Meetings	Meeting Date	Meeting Information	State
	02/04/2016	Four Points by Sheraton Hotel 1617 1st Avenue San Diego, CA 92101	American Samoa, California - Entire State, Guam, Hawaii, Nevada, Northern Mariana Islands, California - Northern, California - Southern
Part B MAC Contractor Advisory Committee (CAC) Meetings	Meeting Date	Meeting Information	State
	02/17/2016	Los Angeles	California - Entire State, California - Northern, California - Southern
	02/12/2016	Honolulu	Hawaii
	02/18/2016	Las Vegas	Nevada
Comment Period	02/04/2016		
Start Date			
Comment Period	04/10/2016		
End Date			
Released to Final LCD Date		Not yet released.	

Reason for Creation of Uniform LCDs...

Proposed LCD Creation of Uniform LCDs Within a MAC Jurisdiction

Contractor Medical Director (s) Noridian Healthcare Solutions, LLC JE Part A

Proposed LCD Attention: Draft LCD Comments

LCD PO Box 6782

Contact Fargo, North Dakota 58103-6782
policya.drafts@noridian.com

Coding Information



Bill Type Codes 999x Not Applicable

Revenue Codes 99999 Not Applicable

Group 1: Paragraph
Total Knee Arthroplasty

Group 1: Codes

CPT/HCPCS Codes	27445	ARTHROPLASTY, KNEE, HINGE PROSTHESIS (EG, WALLDIUS TYPE)
	27447	ARTHROPLASTY, KNEE, CONDYLE AND PLATEAU; MEDIAL AND LATERAL COMPARTMENTS WITH OR WITHOUT PATELLA RESURFACING (TOTAL KNEE ARTHROPLASTY)
	27486	REVISION OF TOTAL KNEE ARTHROPLASTY, WITH OR WITHOUT ALLOGRAFT; 1 COMPONENT
	27487	REVISION OF TOTAL KNEE ARTHROPLASTY, WITH OR WITHOUT ALLOGRAFT; FEMORAL AND ENTIRE TIBIAL COMPONENT

Does the CPT 30% Coding Rule Apply? No

ICD-10 Codes that Support Medical Necessity **Group 1: Paragraph**
Total Knee Arthroplasty

Note: Performance is optimized by using code ranges.

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:

- 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

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

EXCEPT to subcategory S72.47 to which the appropriate 7th character is to be added to all codes from the following list:

- o A: initial encounter for closed fracture
- o D: subsequent encounter for closed fracture with routine healing
- o G: subsequent encounter for closed fracture with delayed healing

- o K: subsequent encounter for closed fracture with nonunion
- o P: subsequent encounter for closed fracture with malunion
- o S: sequela

The appropriate 7th character is to be added to each code from subcategory **S79.1** 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 all of the codes from category **S82** 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

EXCEPT to subcategory **S82.16** to which the appropriate 7th character is to be added to all codes from the following list:

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

The appropriate 7th character is to be added to each code from subcategory **S89.0** from the following list:

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

Group 1: Codes

C40.21	Malignant neoplasm of long bones of right lower limb
C40.22	Malignant neoplasm of long bones of left lower limb
D16.21	Benign neoplasm of long bones of right lower limb
D16.22	Benign neoplasm of long bones of left lower limb
L40.50	Arthropathic psoriasis, unspecified
L40.52	Psoriatic arthritis mutilans
L40.53	Psoriatic spondylitis
L40.54	Psoriatic juvenile arthropathy
L40.59	Other psoriatic arthropathy

M05.061	Felty's syndrome, right knee
M05.062	Felty's syndrome, left knee
M05.09	Felty's syndrome, multiple sites
M05.461	Rheumatoid myopathy with rheumatoid arthritis of right knee
M05.462	Rheumatoid myopathy with rheumatoid arthritis of left knee
M05.49	Rheumatoid myopathy with rheumatoid arthritis of multiple sites
M05.561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee
M05.562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee
M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites
M05.761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement
M05.762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement
M05.79	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement
M05.861	Other rheumatoid arthritis with rheumatoid factor of right knee
M05.862	Other rheumatoid arthritis with rheumatoid factor of left knee
M05.89	Other rheumatoid arthritis with rheumatoid factor of multiple sites
M06.061	Rheumatoid arthritis without rheumatoid factor, right knee
M06.062	Rheumatoid arthritis without rheumatoid factor, left knee
M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites
M06.861	Other specified rheumatoid arthritis, right knee
M06.862	Other specified rheumatoid arthritis, left knee
M06.89	Other specified rheumatoid arthritis, multiple sites
M07.661	Enteropathic arthropathies, right knee
M07.662	Enteropathic arthropathies, left knee
M08.061	Unspecified juvenile rheumatoid arthritis, right knee
M08.062	Unspecified juvenile rheumatoid arthritis, left knee

M08.09	Unspecified juvenile rheumatoid arthritis, multiple sites
M08.261	Juvenile rheumatoid arthritis with systemic onset, right knee
M08.262	Juvenile rheumatoid arthritis with systemic onset, left knee
M08.29	Juvenile rheumatoid arthritis with systemic onset, multiple sites
M08.3	Juvenile rheumatoid polyarthritis (seronegative)
M08.461	Pauciarticular juvenile rheumatoid arthritis, right knee
M08.462	Pauciarticular juvenile rheumatoid arthritis, left knee
M08.861	Other juvenile arthritis, right knee
M08.862	Other juvenile arthritis, left knee
M08.89	Other juvenile arthritis, multiple sites
M08.961	Juvenile arthritis, unspecified, right knee
M08.962	Juvenile arthritis, unspecified, left knee
M08.99	Juvenile arthritis, unspecified, multiple sites
M12.061	Chronic postrheumatic arthropathy [Jaccoud], right knee
M12.062	Chronic postrheumatic arthropathy [Jaccoud], left knee
M12.09	Chronic postrheumatic arthropathy [Jaccoud], multiple sites
M12.461	Intermittent hydrarthrosis, right knee
M12.462	Intermittent hydrarthrosis, left knee
M12.561	Traumatic arthropathy, right knee
M12.562	Traumatic arthropathy, left knee
M12.861	Other specific arthropathies, not elsewhere classified, right knee
M12.862	Other specific arthropathies, not elsewhere classified, left knee
M13.0	Polyarthritis, unspecified
M13.161	Monoarthritis, not elsewhere classified, right knee
M13.162	Monoarthritis, not elsewhere classified, left knee
M17.0	Bilateral primary osteoarthritis of knee
M17.11	Unilateral primary osteoarthritis, right knee

M17.12	Unilateral primary osteoarthritis, left knee
M17.2	Bilateral post-traumatic osteoarthritis of knee
M17.31	Unilateral post-traumatic osteoarthritis, right knee
M17.32	Unilateral post-traumatic osteoarthritis, left knee
M17.4	Other bilateral secondary osteoarthritis of knee
M17.5	Other unilateral secondary osteoarthritis of knee
M23.51	Chronic instability of knee, right knee
M23.52	Chronic instability of knee, left knee
M24.661	Ankylosis, right knee
M24.662	Ankylosis, left knee
M25.261	Flail joint, right knee
M25.262	Flail joint, left knee
M25.361	Other instability, right knee
M25.362	Other instability, left knee
M25.561	Pain in right knee
M25.562	Pain in left knee
M80.051A	Age-related osteoporosis with current pathological fracture, right femur, initial encounter for fracture
M80.052A	Age-related osteoporosis with current pathological fracture, left femur, initial encounter for fracture
M80.061A	Age-related osteoporosis with current pathological fracture, right lower leg, initial encounter for fracture
M80.062A	Age-related osteoporosis with current pathological fracture, left lower leg, initial encounter for fracture
M80.851A	Other osteoporosis with current pathological fracture, right femur, initial encounter for fracture
M80.852A	Other osteoporosis with current pathological fracture, left femur, initial encounter for fracture

M80.861A	Other osteoporosis with current pathological fracture, right lower leg, initial encounter for fracture
M80.862A	Other osteoporosis with current pathological fracture, left lower leg, initial encounter for fracture
M84.351A	Stress fracture, right femur, initial encounter for fracture
M84.352A	Stress fracture, left femur, initial encounter for fracture
M84.361A	Stress fracture, right tibia, initial encounter for fracture
M84.362A	Stress fracture, left tibia, initial encounter for fracture
M84.451A	Pathological fracture, right femur, initial encounter for fracture
M84.452A	Pathological fracture, left femur, initial encounter for fracture
M84.461A	Pathological fracture, right tibia, initial encounter for fracture
M84.462A	Pathological fracture, left tibia, initial encounter for fracture
M84.551A	Pathological fracture in neoplastic disease, right femur, initial encounter for fracture
M84.552A	Pathological fracture in neoplastic disease, left femur, initial encounter for fracture
M84.561A	Pathological fracture in neoplastic disease, right tibia, initial encounter for fracture
M84.562A	Pathological fracture in neoplastic disease, left tibia, initial encounter for fracture
M84.651A	Pathological fracture in other disease, right femur, initial encounter for fracture
M84.652A	Pathological fracture in other disease, left femur, initial encounter for fracture
M84.661A	Pathological fracture in other disease, right tibia, initial encounter for fracture
M84.662A	Pathological fracture in other disease, left tibia, initial encounter for fracture
M87.051	Idiopathic aseptic necrosis of right femur
M87.052	Idiopathic aseptic necrosis of left femur
M87.061	Idiopathic aseptic necrosis of right tibia
M87.062	Idiopathic aseptic necrosis of left tibia
M87.151	Osteonecrosis due to drugs, right femur

M87.152	Osteonecrosis due to drugs, left femur
M87.251	Osteonecrosis due to previous trauma, right femur
M87.252	Osteonecrosis due to previous trauma, left femur
M87.261	Osteonecrosis due to previous trauma, right tibia
M87.262	Osteonecrosis due to previous trauma, left tibia
M87.351	Other secondary osteonecrosis, right femur
M87.352	Other secondary osteonecrosis, left femur
M87.361	Other secondary osteonecrosis, right tibia
M87.362	Other secondary osteonecrosis, left tibia
M87.851	Other osteonecrosis, right femur
M87.852	Other osteonecrosis, left femur
M87.861	Other osteonecrosis, right tibia
M87.862	Other osteonecrosis, left tibia
M88.851	Osteitis deformans of right thigh
M88.852	Osteitis deformans of left thigh
M88.861	Osteitis deformans of right lower leg
M88.862	Osteitis deformans of left lower leg
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
M90.561	Osteonecrosis in diseases classified elsewhere, right lower leg
M90.562	Osteonecrosis in diseases classified elsewhere, left lower leg
S72.401A	Unspecified fracture of lower end of right femur, initial encounter for closed fracture
S72.402A	Unspecified fracture of lower end of left femur, initial encounter for closed fracture
S72.411A	Displaced unspecified condyle fracture of lower end of right femur, initial encounter for closed fracture

S72.412A	Displaced unspecified condyle fracture of lower end of left femur, initial encounter for closed fracture
S72.414A	Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for closed fracture
S72.415A	Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for closed fracture
S72.421A	Displaced fracture of lateral condyle of right femur, initial encounter for closed fracture
S72.422A	Displaced fracture of lateral condyle of left femur, initial encounter for closed fracture
S72.424A	Nondisplaced fracture of lateral condyle of right femur, initial encounter for closed fracture
S72.425A	Nondisplaced fracture of lateral condyle of left femur, initial encounter for closed fracture
S72.431A	Displaced fracture of medial condyle of right femur, initial encounter for closed fracture
S72.432A	Displaced fracture of medial condyle of left femur, initial encounter for closed fracture
S72.434A	Nondisplaced fracture of medial condyle of right femur, initial encounter for closed fracture
S72.435A	Nondisplaced fracture of medial condyle of left femur, initial encounter for closed fracture
S72.441A	Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for closed fracture
S72.442A	Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for closed fracture
S72.444A	Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for closed fracture
S72.445A	Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for closed fracture

S72.451A	Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for closed fracture
S72.452A	Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for closed fracture
S72.454A	Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for closed fracture
S72.455A	Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for closed fracture
S72.461A	Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for closed fracture
S72.462A	Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for closed fracture
S72.464A	Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for closed fracture
S72.465A	Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for closed fracture
S72.471A	Torus fracture of lower end of right femur, initial encounter for closed fracture
S72.472A	Torus fracture of lower end of left femur, initial encounter for closed fracture
S72.491A	Other fracture of lower end of right femur, initial encounter for closed fracture
S72.492A	Other fracture of lower end of left femur, initial encounter for closed fracture
S72.8X1A	Other fracture of right femur, initial encounter for closed fracture
S72.8X2A	Other fracture of left femur, initial encounter for closed fracture
S72.91XA	Unspecified fracture of right femur, initial encounter for closed fracture
S72.92XA	Unspecified fracture of left femur, initial encounter for closed fracture
S79.101A	Unspecified physeal fracture of lower end of right femur, initial encounter for closed fracture
S79.102A	Unspecified physeal fracture of lower end of left femur, initial encounter for closed fracture

S79.191A	Other physeal fracture of lower end of right femur, initial encounter for closed fracture
S79.192A	Other physeal fracture of lower end of left femur, initial encounter for closed fracture
S82.101A	Unspecified fracture of upper end of right tibia, initial encounter for closed fracture
S82.102A	Unspecified fracture of upper end of left tibia, initial encounter for closed fracture
S82.161A	Torus fracture of upper end of right tibia, initial encounter for closed fracture
S82.162A	Torus fracture of upper end of left tibia, initial encounter for closed fracture
S82.191A	Other fracture of upper end of right tibia, initial encounter for closed fracture
S82.192A	Other fracture of upper end of left tibia, initial encounter for closed fracture
S82.201A	Unspecified fracture of shaft of right tibia, initial encounter for closed fracture
S82.202A	Unspecified fracture of shaft of left tibia, initial encounter for closed fracture
S82.221A	Displaced transverse fracture of shaft of right tibia, initial encounter for closed fracture
S82.222A	Displaced transverse fracture of shaft of left tibia, initial encounter for closed fracture
S82.224A	Nondisplaced transverse fracture of shaft of right tibia, initial encounter for closed fracture
S82.225A	Nondisplaced transverse fracture of shaft of left tibia, initial encounter for closed fracture
S82.231A	Displaced oblique fracture of shaft of right tibia, initial encounter for closed fracture
S82.232A	Displaced oblique fracture of shaft of left tibia, initial encounter for closed fracture
S82.234A	Nondisplaced oblique fracture of shaft of right tibia, initial encounter for closed fracture
S82.235A	Nondisplaced oblique fracture of shaft of left tibia, initial encounter for closed fracture

S82.241A	Displaced spiral fracture of shaft of right tibia, initial encounter for closed fracture
S82.242A	Displaced spiral fracture of shaft of left tibia, initial encounter for closed fracture
S82.244A	Nondisplaced spiral fracture of shaft of right tibia, initial encounter for closed fracture
S82.245A	Nondisplaced spiral fracture of shaft of left tibia, initial encounter for closed fracture
S82.251A	Displaced comminuted fracture of shaft of right tibia, initial encounter for closed fracture
S82.252A	Displaced comminuted fracture of shaft of left tibia, initial encounter for closed fracture
S82.254A	Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for closed fracture
S82.255A	Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for closed fracture
S82.261A	Displaced segmental fracture of shaft of right tibia, initial encounter for closed fracture
S82.262A	Displaced segmental fracture of shaft of left tibia, initial encounter for closed fracture
S82.264A	Nondisplaced segmental fracture of shaft of right tibia, initial encounter for closed fracture
S82.265A	Nondisplaced segmental fracture of shaft of left tibia, initial encounter for closed fracture
S82.291A	Other fracture of shaft of right tibia, initial encounter for closed fracture
S82.292A	Other fracture of shaft of left tibia, initial encounter for closed fracture
S82.891A	Other fracture of right lower leg, initial encounter for closed fracture
S82.892A	Other fracture of left lower leg, initial encounter for closed fracture
S82.91XA	Unspecified fracture of right lower leg, initial encounter for closed fracture
S82.92XA	Unspecified fracture of left lower leg, initial encounter for closed fracture

S89.001A	Unspecified physeal fracture of upper end of right tibia, initial encounter for closed fracture
S89.002A	Unspecified physeal fracture of upper end of left tibia, initial encounter for closed fracture
S89.091A	Other physeal fracture of upper end of right tibia, initial encounter for closed fracture
S89.092A	Other physeal fracture of upper end of left tibia, initial encounter for closed fracture
T84.012A	Broken internal right knee prosthesis, initial encounter
T84.013A	Broken internal left knee prosthesis, initial encounter
T84.022A	Instability of internal right knee prosthesis, initial encounter
T84.023A	Instability of internal left knee prosthesis, initial encounter
T84.032A	Mechanical loosening of internal right knee prosthetic joint, initial encounter
T84.033A	Mechanical loosening of internal left knee prosthetic joint, initial encounter
T84.042A	Periprosthetic fracture around internal prosthetic right knee joint, initial encounter
T84.043A	Periprosthetic fracture around internal prosthetic left knee joint, initial encounter
T84.052A	Periprosthetic osteolysis of internal prosthetic right knee joint, initial encounter
T84.053A	Periprosthetic osteolysis of internal prosthetic left knee joint, initial encounter
T84.062A	Wear of articular bearing surface of internal prosthetic right knee joint, initial encounter
T84.063A	Wear of articular bearing surface of internal prosthetic left knee joint, initial encounter
T84.092A	Other mechanical complication of internal right knee prosthesis, initial encounter
T84.093A	Other mechanical complication of internal left knee prosthesis, initial encounter
T84.53XA	Infection and inflammatory reaction due to internal right knee prosthesis, initial encounter
T84.54XA	Infection and inflammatory reaction due to internal left knee prosthesis, initial encounter

ICD-10 Codes that DO NOT Support Medical Necessity

Group 1: Paragraph

Note: Performance is optimized by using code ranges.

Group 1: Codes

Additional ICD-10 Information

Associated Documents



Attachments

There are no attachments for this LCD.

Related Local Coverage Documents

This LCD version has no Related Local Coverage Documents.

Related National Coverage Documents

This LCD version has no Related National Coverage Documents.