

# Local Coverage Article: Billing and Coding: Total Knee Arthroplasty (A57685)

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## Contractor Information

| CONTRACTOR NAME                    | CONTRACT TYPE | CONTRACT NUMBER | JURISDICTION | STATE(S)                                                                                            |
|------------------------------------|---------------|-----------------|--------------|-----------------------------------------------------------------------------------------------------|
| Noridian Healthcare Solutions, LLC | A and B MAC   | 01111 - MAC A   | J - E        | California - Entire State                                                                           |
| Noridian Healthcare Solutions, LLC | A and B MAC   | 01112 - MAC B   | J - E        | California - Northern                                                                               |
| Noridian Healthcare Solutions, LLC | A and B MAC   | 01182 - MAC B   | J - E        | California - Southern                                                                               |
| Noridian Healthcare Solutions, LLC | A and B MAC   | 01211 - MAC A   | J - E        | American Samoa<br>Guam<br>Hawaii<br>Northern Mariana Islands                                        |
| Noridian Healthcare Solutions, LLC | A and B MAC   | 01212 - MAC B   | J - E        | American Samoa<br>Guam<br>Hawaii<br>Northern Mariana Islands                                        |
| Noridian Healthcare Solutions, LLC | A and B MAC   | 01311 - MAC A   | J - E        | Nevada                                                                                              |
| Noridian Healthcare Solutions, LLC | A and B MAC   | 01312 - MAC B   | J - E        | Nevada                                                                                              |
| Noridian Healthcare Solutions, LLC | A and B MAC   | 01911 - MAC A   | J - E        | American Samoa<br>California - Entire State<br>Guam<br>Hawaii<br>Nevada<br>Northern Mariana Islands |

## Article Information

### General Information

Article ID

Original Effective Date

**Article Title**

Billing and Coding: Total Knee Arthroplasty

**Revision Effective Date**

N/A

**Article Type**

Billing and Coding

**Revision Ending Date**

N/A

**AMA CPT / ADA CDT / AHA NUBC Copyright Statement**

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**Retirement Date**

N/A

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**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.

**Article Guidance**

## Article Text:

The following billing and coding guidance is to be used with its associated Local Coverage Determination.

### 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 knee 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 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.*

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## Coding Information

### CPT/HCPCS Codes

#### Group 1 Paragraph:

#### Total Knee Arthroplasty

#### Group 1 Codes:

| CODE  | DESCRIPTION                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------|
| 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                                    |

### CPT/HCPCS Modifiers

N/A

### ICD-10 Codes that Support Medical Necessity

#### Group 1 Paragraph:

N/A

#### Group 1 Codes:

| ICD-10 CODE | DESCRIPTION                                                       |
|-------------|-------------------------------------------------------------------|
| 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 |

| ICD-10 CODE | DESCRIPTION                                                                                        |
|-------------|----------------------------------------------------------------------------------------------------|
| 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                                                         |

| ICD-10 CODE | DESCRIPTION                                                                       |
|-------------|-----------------------------------------------------------------------------------|
| 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 |

| ICD-10 CODE | DESCRIPTION                                                                                                                          |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------|
|             | 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                                                     |
| M80.061A    | Age-related osteoporosis with current pathological fracture, right lower leg, initial encounter for fracture                         |
| M80.061D    | Age-related osteoporosis with current pathological fracture, right lower leg, subsequent encounter for fracture with routine healing |
| M80.061G    | Age-related osteoporosis with current pathological fracture, right lower leg, subsequent encounter for fracture with delayed healing |
| M80.061K    | Age-related osteoporosis with current pathological fracture, right lower leg, subsequent encounter for fracture with nonunion        |
| M80.061P    | Age-related osteoporosis with current pathological fracture, right lower leg, subsequent encounter for fracture with malunion        |
| M80.061S    | Age-related osteoporosis with current pathological fracture, right lower leg, sequela                                                |
| M80.062A    | Age-related osteoporosis with current pathological fracture, left lower leg, initial encounter for fracture                          |
| M80.062D    | Age-related osteoporosis with current pathological fracture, left lower leg, subsequent encounter for fracture with routine healing  |



| <b>ICD-10 CODE</b> | <b>DESCRIPTION</b>                                                                                                                  |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| M80.062G           | Age-related osteoporosis with current pathological fracture, left lower leg, subsequent encounter for fracture with delayed healing |
| M80.062K           | Age-related osteoporosis with current pathological fracture, left lower leg, subsequent encounter for fracture with nonunion        |
| M80.062P           | Age-related osteoporosis with current pathological fracture, left lower leg, subsequent encounter for fracture with malunion        |
| M80.062S           | Age-related osteoporosis with current pathological fracture, left lower leg, sequela                                                |
| <b>ICD-10 CODE</b> | <b>DESCRIPTION</b>                                                                                                                  |
| 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                                                          |
| M80.861A           | Other osteoporosis with current pathological fracture, right lower leg, initial encounter for fracture                              |
| M80.861D           | Other osteoporosis with current pathological fracture, right lower leg, subsequent encounter for fracture with routine healing      |
| M80.861G           | Other osteoporosis with current pathological fracture, right lower leg, subsequent encounter for fracture with delayed healing      |

| ICD-10 CODE | DESCRIPTION                                                                                                                   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------|
| M80.861K    | Other osteoporosis with current pathological fracture, right lower leg, subsequent encounter for fracture with nonunion       |
| M80.861P    | Other osteoporosis with current pathological fracture, right lower leg, subsequent encounter for fracture with malunion       |
| M80.861S    | Other osteoporosis with current pathological fracture, right lower leg, sequela                                               |
| M80.862A    | Other osteoporosis with current pathological fracture, left lower leg, initial encounter for fracture                         |
| M80.862D    | Other osteoporosis with current pathological fracture, left lower leg, subsequent encounter for fracture with routine healing |
| M80.862G    | Other osteoporosis with current pathological fracture, left lower leg, subsequent encounter for fracture with delayed healing |
| M80.862K    | Other osteoporosis with current pathological fracture, left lower leg, subsequent encounter for fracture with nonunion        |
| M80.862P    | Other osteoporosis with current pathological fracture, left lower leg, subsequent encounter for fracture with malunion        |
| M80.862S    | Other osteoporosis with current pathological fracture, left lower leg, 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                                                                                          |
| M84.361A    | Stress fracture, right tibia, initial encounter for fracture                                                                  |
| M84.361D    | Stress fracture, right tibia, subsequent encounter for fracture with routine healing                                          |
| M84.361G    | Stress fracture, right tibia, subsequent encounter for fracture with delayed healing                                          |
| M84.361K    | Stress fracture, right tibia, subsequent encounter for fracture with nonunion                                                 |
| M84.361P    | Stress fracture, right tibia, subsequent encounter for fracture with malunion                                                 |
| M84.361S    | Stress fracture, right tibia, sequela                                                                                         |

| ICD-10 CODE | DESCRIPTION                                                                                |
|-------------|--------------------------------------------------------------------------------------------|
| M84.362A    | Stress fracture, left tibia, initial encounter for fracture                                |
| M84.362D    | Stress fracture, left tibia, subsequent encounter for fracture with routine healing        |
| M84.362G    | Stress fracture, left tibia, subsequent encounter for fracture with delayed healing        |
| M84.362K    | Stress fracture, left tibia, subsequent encounter for fracture with nonunion               |
| M84.362P    | Stress fracture, left tibia, subsequent encounter for fracture with malunion               |
| M84.362S    | Stress fracture, left tibia, 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                                                 |
| M84.461A    | Pathological fracture, right tibia, initial encounter for fracture                         |
| M84.461D    | Pathological fracture, right tibia, subsequent encounter for fracture with routine healing |
| M84.461G    | Pathological fracture, right tibia, subsequent encounter for fracture with delayed healing |
| M84.461K    | Pathological fracture, right tibia, subsequent encounter for fracture with nonunion        |
| M84.461P    | Pathological fracture, right tibia, subsequent encounter for fracture with malunion        |
| M84.461S    | Pathological fracture, right tibia, sequela                                                |
| M84.462A    | Pathological fracture, left tibia, initial encounter for fracture                          |
| M84.462D    | Pathological fracture, left tibia, subsequent encounter for fracture with routine healing  |
| M84.462G    | Pathological fracture, left tibia, subsequent encounter for fracture with delayed          |

| ICD-10 CODE | DESCRIPTION                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------|
|             | healing                                                                                                          |
| M84.462K    | Pathological fracture, left tibia, subsequent encounter for fracture with nonunion                               |
| M84.462P    | Pathological fracture, left tibia, subsequent encounter for fracture with malunion                               |
| M84.462S    | Pathological fracture, left tibia, 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                                                 |
| M84.561A    | Pathological fracture in neoplastic disease, right tibia, initial encounter for fracture                         |
| M84.561D    | Pathological fracture in neoplastic disease, right tibia, subsequent encounter for fracture with routine healing |
| M84.561G    | Pathological fracture in neoplastic disease, right tibia, subsequent encounter for fracture with delayed healing |
| M84.561K    | Pathological fracture in neoplastic disease, right tibia, subsequent encounter for fracture with nonunion        |
| M84.561P    | Pathological fracture in neoplastic disease, right tibia, subsequent encounter for fracture with malunion        |
| M84.561S    | Pathological fracture in neoplastic disease, right tibia, sequela                                                |
| M84.562A    | Pathological fracture in neoplastic disease, left tibia, initial encounter for fracture                          |

| ICD-10 CODE | DESCRIPTION                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------|
| M84.562D    | Pathological fracture in neoplastic disease, left tibia, subsequent encounter for fracture with routine healing |
| M84.562G    | Pathological fracture in neoplastic disease, left tibia, subsequent encounter for fracture with delayed healing |
| M84.562K    | Pathological fracture in neoplastic disease, left tibia, subsequent encounter for fracture with nonunion        |
| M84.562P    | Pathological fracture in neoplastic disease, left tibia, subsequent encounter for fracture with malunion        |
| M84.562S    | Pathological fracture in neoplastic disease, left tibia, 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            |
| ICD-10 CODE | DESCRIPTION                                                                                                     |
| 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                                                     |
| M84.661A    | Pathological fracture in other disease, right tibia, initial encounter for fracture                             |
| M84.661D    | Pathological fracture in other disease, right tibia, subsequent encounter for fracture with routine healing     |
| M84.661G    | Pathological fracture in other disease, right tibia, subsequent encounter for fracture with delayed healing     |
| M84.661K    | Pathological fracture in other disease, right tibia, subsequent encounter for fracture                          |

| ICD-10 CODE | DESCRIPTION                                                                                                |
|-------------|------------------------------------------------------------------------------------------------------------|
|             | with nonunion                                                                                              |
| M84.661P    | Pathological fracture in other disease, right tibia, subsequent encounter for fracture with malunion       |
| M84.661S    | Pathological fracture in other disease, right tibia, sequela                                               |
| M84.662A    | Pathological fracture in other disease, left tibia, initial encounter for fracture                         |
| M84.662D    | Pathological fracture in other disease, left tibia, subsequent encounter for fracture with routine healing |
| M84.662G    | Pathological fracture in other disease, left tibia, subsequent encounter for fracture with delayed healing |
| M84.662K    | Pathological fracture in other disease, left tibia, subsequent encounter for fracture with nonunion        |
| M84.662P    | Pathological fracture in other disease, left tibia, subsequent encounter for fracture with malunion        |
| M84.662S    | Pathological fracture in other disease, left tibia, sequela                                                |
| 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                                                                          |

| ICD-10 CODE | DESCRIPTION                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                         |
| M97.11XA    | Periprosthetic fracture around internal prosthetic right knee joint, initial encounter                                                 |
| M97.11XD    | Periprosthetic fracture around internal prosthetic right knee joint, subsequent encounter                                              |
| M97.11XS    | Periprosthetic fracture around internal prosthetic right knee joint, sequela                                                           |
| M97.12XA    | Periprosthetic fracture around internal prosthetic left knee joint, initial encounter                                                  |
| M97.12XD    | Periprosthetic fracture around internal prosthetic left knee joint, subsequent encounter                                               |
| M97.12XS    | Periprosthetic fracture around internal prosthetic left knee joint, sequela                                                            |
| S72.401A    | Unspecified fracture of lower end of right femur, initial encounter for closed fracture                                                |
| S72.401B    | Unspecified fracture of lower end of right femur, initial encounter for open fracture type I or II                                     |
| S72.401C    | Unspecified fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.401D    | Unspecified fracture of lower end of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.401E    | Unspecified fracture of lower end of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.401F    | Unspecified fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.401G    | Unspecified fracture of lower end of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.401H    | Unspecified fracture of lower end of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.401J    | Unspecified fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.401K    | Unspecified fracture of lower end of right femur, subsequent encounter for closed fracture with nonunion                               |

| ICD-10 CODE | DESCRIPTION                                                                                                                           |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------|
| S72.401M    | Unspecified fracture of lower end of right femur, subsequent encounter for open fracture type I or II with nonunion                   |
| S72.401N    | Unspecified fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion       |
| S72.401P    | Unspecified fracture of lower end of right femur, subsequent encounter for closed fracture with malunion                              |
| S72.401Q    | Unspecified fracture of lower end of right femur, subsequent encounter for open fracture type I or II with malunion                   |
| S72.401R    | Unspecified fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S72.401S    | Unspecified fracture of lower end of right femur, sequela                                                                             |
| S72.402A    | Unspecified fracture of lower end of left femur, initial encounter for closed fracture                                                |
| S72.402B    | Unspecified fracture of lower end of left femur, initial encounter for open fracture type I or II                                     |
| S72.402C    | Unspecified fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.402D    | Unspecified fracture of lower end of left femur, subsequent encounter for closed fracture with routine healing                        |
| S72.402E    | Unspecified fracture of lower end of left femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.402F    | Unspecified fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.402G    | Unspecified fracture of lower end of left femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.402H    | Unspecified fracture of lower end of left femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.402J    | Unspecified fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.402K    | Unspecified fracture of lower end of left femur, subsequent encounter for closed fracture with nonunion                               |
| S72.402M    | Unspecified fracture of lower end of left femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.402N    | Unspecified fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.402P    | Unspecified fracture of lower end of left femur, subsequent encounter for closed fracture with malunion                               |
| S72.402Q    | Unspecified fracture of lower end of left femur, subsequent encounter for open                                                        |



| ICD-10 CODE | DESCRIPTION                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | fracture type I or II with malunion                                                                                                                      |
| S72.402R    | Unspecified fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion                           |
| S72.402S    | Unspecified fracture of lower end of left femur, sequela                                                                                                 |
| S72.411A    | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for closed fracture                                                |
| S72.411B    | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type I or II                                     |
| S72.411C    | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.411D    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.411E    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.411F    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.411G    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.411H    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.411J    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.411K    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for closed fracture with nonunion                               |
| S72.411M    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.411N    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.411P    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for closed fracture with malunion                               |
| S72.411Q    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.411R    | Displaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| ICD-10 CODE | DESCRIPTION                                                                                                                                              |
| S72.411S    | Displaced unspecified condyle fracture of lower end of right femur, sequela                                                                              |

| ICD-10 CODE | DESCRIPTION                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.412A    | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for closed fracture                                                |
| S72.412B    | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type I or II                                     |
| S72.412C    | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.412D    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for closed fracture with routine healing                        |
| S72.412E    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.412F    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.412G    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.412H    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.412J    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.412K    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for closed fracture with nonunion                               |
| S72.412M    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.412N    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.412P    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for closed fracture with malunion                               |
| S72.412Q    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.412R    | Displaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.412S    | Displaced unspecified condyle fracture of lower end of left femur, sequela                                                                              |
| S72.414A    | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for closed fracture                                            |
| S72.414B    | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type I or II                                 |
| S72.414C    | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                     |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.414D    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.414E    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.414F    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.414G    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.414H    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.414J    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.414K    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for closed fracture with nonunion                               |
| S72.414M    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.414N    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.414P    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for closed fracture with malunion                               |
| S72.414Q    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.414R    | Nondisplaced unspecified condyle fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.414S    | Nondisplaced unspecified condyle fracture of lower end of right femur, sequela                                                                              |
| S72.415A    | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for closed fracture                                                 |
| S72.415B    | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type I or II                                      |
| S72.415C    | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S72.415D    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for closed fracture with routine healing                         |
| S72.415E    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type I or II with routine healing              |
| S72.415F    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing  |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.415G    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.415H    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.415J    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.415K    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for closed fracture with nonunion                               |
| S72.415M    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.415N    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.415P    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for closed fracture with malunion                               |
| S72.415Q    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.415R    | Nondisplaced unspecified condyle fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.415S    | Nondisplaced unspecified condyle fracture of lower end of left femur, sequela                                                                              |
| S72.421A    | Displaced fracture of lateral condyle of right femur, initial encounter for closed fracture                                                                |
| S72.421B    | Displaced fracture of lateral condyle of right femur, initial encounter for open fracture type I or II                                                     |
| S72.421C    | Displaced fracture of lateral condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                                         |
| S72.421D    | Displaced fracture of lateral condyle of right femur, subsequent encounter for closed fracture with routine healing                                        |
| S72.421E    | Displaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type I or II with routine healing                             |
| S72.421F    | Displaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing                 |
| S72.421G    | Displaced fracture of lateral condyle of right femur, subsequent encounter for closed fracture with delayed healing                                        |
| S72.421H    | Displaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type I or II with delayed healing                             |
| S72.421J    | Displaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing                 |

| ICD-10 CODE | DESCRIPTION                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| S72.421K    | Displaced fracture of lateral condyle of right femur, subsequent encounter for closed fracture with nonunion                              |
| S72.421M    | Displaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type I or II with nonunion                   |
| S72.421N    | Displaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion       |
| S72.421P    | Displaced fracture of lateral condyle of right femur, subsequent encounter for closed fracture with malunion                              |
| S72.421Q    | Displaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type I or II with malunion                   |
| S72.421R    | Displaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S72.421S    | Displaced fracture of lateral condyle of right femur, sequela                                                                             |
| S72.422A    | Displaced fracture of lateral condyle of left femur, initial encounter for closed fracture                                                |
| S72.422B    | Displaced fracture of lateral condyle of left femur, initial encounter for open fracture type I or II                                     |
| S72.422C    | Displaced fracture of lateral condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.422D    | Displaced fracture of lateral condyle of left femur, subsequent encounter for closed fracture with routine healing                        |
| S72.422E    | Displaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.422F    | Displaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.422G    | Displaced fracture of lateral condyle of left femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.422H    | Displaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.422J    | Displaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.422K    | Displaced fracture of lateral condyle of left femur, subsequent encounter for closed fracture with nonunion                               |
| S72.422M    | Displaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.422N    | Displaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |

| ICD-10 CODE | DESCRIPTION                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| S72.422P    | Displaced fracture of lateral condyle of left femur, subsequent encounter for closed fracture with malunion                                   |
| S72.422Q    | Displaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type I or II with malunion                        |
| S72.422R    | Displaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion            |
| S72.422S    | Displaced fracture of lateral condyle of left femur, sequela                                                                                  |
| S72.424A    | Nondisplaced fracture of lateral condyle of right femur, initial encounter for closed fracture                                                |
| S72.424B    | Nondisplaced fracture of lateral condyle of right femur, initial encounter for open fracture type I or II                                     |
| S72.424C    | Nondisplaced fracture of lateral condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.424D    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.424E    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.424F    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.424G    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.424H    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.424J    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.424K    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for closed fracture with nonunion                               |
| S72.424M    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.424N    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.424P    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for closed fracture with malunion                               |
| S72.424Q    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.424R    | Nondisplaced fracture of lateral condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |

| <b>ICD-10 CODE</b> | <b>DESCRIPTION</b>                                                                                                                           |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| S72.424S           | Nondisplaced fracture of lateral condyle of right femur, sequela                                                                             |
| S72.425A           | Nondisplaced fracture of lateral condyle of left femur, initial encounter for closed fracture                                                |
| S72.425B           | Nondisplaced fracture of lateral condyle of left femur, initial encounter for open fracture type I or II                                     |
| S72.425C           | Nondisplaced fracture of lateral condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| <b>ICD-10 CODE</b> | <b>DESCRIPTION</b>                                                                                                                           |
| S72.425D           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for closed fracture with routine healing                        |
| S72.425E           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.425F           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.425G           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.425H           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.425J           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.425K           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for closed fracture with nonunion                               |
| S72.425M           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.425N           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.425P           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for closed fracture with malunion                               |
| S72.425Q           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.425R           | Nondisplaced fracture of lateral condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.425S           | Nondisplaced fracture of lateral condyle of left femur, sequela                                                                              |
| S72.431A           | Displaced fracture of medial condyle of right femur, initial encounter for closed fracture                                                   |
| S72.431B           | Displaced fracture of medial condyle of right femur, initial encounter for open fracture type I or II                                        |

| ICD-10 CODE | DESCRIPTION                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| S72.431C    | Displaced fracture of medial condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.431D    | Displaced fracture of medial condyle of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.431E    | Displaced fracture of medial condyle of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.431F    | Displaced fracture of medial condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.431G    | Displaced fracture of medial condyle of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.431H    | Displaced fracture of medial condyle of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.431J    | Displaced fracture of medial condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.431K    | Displaced fracture of medial condyle of right femur, subsequent encounter for closed fracture with nonunion                               |
| S72.431M    | Displaced fracture of medial condyle of right femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.431N    | Displaced fracture of medial condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.431P    | Displaced fracture of medial condyle of right femur, subsequent encounter for closed fracture with malunion                               |
| S72.431Q    | Displaced fracture of medial condyle of right femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.431R    | Displaced fracture of medial condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.431S    | Displaced fracture of medial condyle of right femur, sequela                                                                              |
| S72.432A    | Displaced fracture of medial condyle of left femur, initial encounter for closed fracture                                                 |
| S72.432B    | Displaced fracture of medial condyle of left femur, initial encounter for open fracture type I or II                                      |
| S72.432C    | Displaced fracture of medial condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S72.432D    | Displaced fracture of medial condyle of left femur, subsequent encounter for closed fracture with routine healing                         |
| S72.432E    | Displaced fracture of medial condyle of left femur, subsequent encounter for open fracture type I or II with routine healing              |



| ICD-10 CODE | DESCRIPTION                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| S72.432F    | Displaced fracture of medial condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing     |
| S72.432G    | Displaced fracture of medial condyle of left femur, subsequent encounter for closed fracture with delayed healing                            |
| S72.432H    | Displaced fracture of medial condyle of left femur, subsequent encounter for open fracture type I or II with delayed healing                 |
| S72.432J    | Displaced fracture of medial condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing     |
| S72.432K    | Displaced fracture of medial condyle of left femur, subsequent encounter for closed fracture with nonunion                                   |
| S72.432M    | Displaced fracture of medial condyle of left femur, subsequent encounter for open fracture type I or II with nonunion                        |
| S72.432N    | Displaced fracture of medial condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion            |
| S72.432P    | Displaced fracture of medial condyle of left femur, subsequent encounter for closed fracture with malunion                                   |
| S72.432Q    | Displaced fracture of medial condyle of left femur, subsequent encounter for open fracture type I or II with malunion                        |
| S72.432R    | Displaced fracture of medial condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion            |
| S72.432S    | Displaced fracture of medial condyle of left femur, sequela                                                                                  |
| S72.434A    | Nondisplaced fracture of medial condyle of right femur, initial encounter for closed fracture                                                |
| S72.434B    | Nondisplaced fracture of medial condyle of right femur, initial encounter for open fracture type I or II                                     |
| S72.434C    | Nondisplaced fracture of medial condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.434D    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.434E    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.434F    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.434G    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.434H    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for open fracture type I or II with delayed healing             |

| ICD-10 CODE | DESCRIPTION                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| S72.434J    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.434K    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for closed fracture with nonunion                               |
| S72.434M    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.434N    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.434P    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for closed fracture with malunion                               |
| S72.434Q    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.434R    | Nondisplaced fracture of medial condyle of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.434S    | Nondisplaced fracture of medial condyle of right femur, sequela                                                                              |
| S72.435A    | Nondisplaced fracture of medial condyle of left femur, initial encounter for closed fracture                                                 |
| S72.435B    | Nondisplaced fracture of medial condyle of left femur, initial encounter for open fracture type I or II                                      |
| S72.435C    | Nondisplaced fracture of medial condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S72.435D    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for closed fracture with routine healing                         |
| S72.435E    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for open fracture type I or II with routine healing              |
| S72.435F    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing  |
| S72.435G    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for closed fracture with delayed healing                         |
| S72.435H    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for open fracture type I or II with delayed healing              |
| S72.435J    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing  |
| S72.435K    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for closed fracture with nonunion                                |
| S72.435M    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for open fracture type I or II with nonunion                     |

| ICD-10 CODE | DESCRIPTION                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.435N    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion                    |
| S72.435P    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for closed fracture with malunion                                           |
| S72.435Q    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for open fracture type I or II with malunion                                |
| S72.435R    | Nondisplaced fracture of medial condyle of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion                    |
| S72.435S    | Nondisplaced fracture of medial condyle of left femur, sequela                                                                                          |
| S72.441A    | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for closed fracture                                                |
| S72.441B    | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type I or II                                     |
| S72.441C    | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.441D    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.441E    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.441F    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.441G    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.441H    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.441J    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.441K    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for closed fracture with nonunion                               |
| S72.441M    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.441N    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.441P    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for closed fracture with malunion                               |
| S72.441Q    | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type I or II with malunion                    |

| <b>ICD-10 CODE</b> | <b>DESCRIPTION</b>                                                                                                                                     |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.441R           | Displaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S72.441S           | Displaced fracture of lower epiphysis (separation) of right femur, sequela                                                                             |
| S72.442A           | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for closed fracture                                                |
| S72.442B           | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type I or II                                     |
| S72.442C           | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.442D           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for closed fracture with routine healing                        |
| S72.442E           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.442F           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.442G           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for closed fracture with delayed healing                        |
| <b>ICD-10 CODE</b> | <b>DESCRIPTION</b>                                                                                                                                     |
| S72.442H           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.442J           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.442K           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for closed fracture with nonunion                               |
| S72.442M           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.442N           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.442P           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for closed fracture with malunion                               |
| S72.442Q           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.442R           | Displaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.442S           | Displaced fracture of lower epiphysis (separation) of left femur, sequela                                                                              |
| S72.444A           | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for closed fracture                                            |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.444B    | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type I or II                                     |
| S72.444C    | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.444D    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.444E    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.444F    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.444G    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.444H    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.444J    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.444K    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for closed fracture with nonunion                               |
| S72.444M    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.444N    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.444P    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for closed fracture with malunion                               |
| S72.444Q    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.444R    | Nondisplaced fracture of lower epiphysis (separation) of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.444S    | Nondisplaced fracture of lower epiphysis (separation) of right femur, sequela                                                                              |
| S72.445A    | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for closed fracture                                                 |
| S72.445B    | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type I or II                                      |
| S72.445C    | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S72.445D    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for closed fracture with routine healing                         |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.445E    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type I or II with routine healing                                      |
| S72.445F    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing                          |
| S72.445G    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for closed fracture with delayed healing                                                 |
| S72.445H    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type I or II with delayed healing                                      |
| S72.445J    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing                          |
| S72.445K    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for closed fracture with nonunion                                                        |
| S72.445M    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type I or II with nonunion                                             |
| S72.445N    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion                                 |
| S72.445P    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for closed fracture with malunion                                                        |
| S72.445Q    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type I or II with malunion                                             |
| S72.445R    | Nondisplaced fracture of lower epiphysis (separation) of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion                                 |
| S72.445S    | Nondisplaced fracture of lower epiphysis (separation) of left femur, sequela                                                                                                       |
| S72.451A    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for closed fracture                                                |
| S72.451B    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II                                     |
| S72.451C    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.451D    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.451E    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.451F    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.451G    | Displaced supracondylar fracture without intracondylar extension of lower end of                                                                                                   |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | right femur, subsequent encounter for closed fracture with delayed healing                                                                                                         |
| S72.451H    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.451J    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.451K    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with nonunion                               |
| S72.451M    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.451N    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.451P    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with malunion                               |
| S72.451Q    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.451R    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.451S    | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, sequela                                                                              |
| S72.452A    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for closed fracture                                                 |
| S72.452B    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II                                      |
| S72.452C    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S72.452D    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with routine healing                         |
| S72.452E    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with routine healing              |
| S72.452F    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing  |
| S72.452G    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with delayed healing                         |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                                           |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.452H    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with delayed healing                 |
| S72.452J    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing     |
| S72.452K    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with nonunion                                   |
| S72.452M    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with nonunion                        |
| S72.452N    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion            |
| S72.452P    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with malunion                                   |
| S72.452Q    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with malunion                        |
| S72.452R    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion            |
| S72.452S    | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, sequela                                                                                  |
| S72.454A    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for closed fracture                                                |
| S72.454B    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II                                     |
| S72.454C    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.454D    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.454E    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.454F    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.454G    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.454H    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.454J    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of                                                                                                   |



| ICD-10 CODE | DESCRIPTION                                                                                                                                                                          |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing                                                                                    |
| S72.454K    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with nonunion                              |
| S72.454M    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with nonunion                   |
| S72.454N    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion       |
| S72.454P    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with malunion                              |
| S72.454Q    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with malunion                   |
| S72.454R    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S72.454S    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, sequela                                                                             |
| S72.455A    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for closed fracture                                                |
| S72.455B    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II                                     |
| S72.455C    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.455D    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with routine healing                        |
| S72.455E    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.455F    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.455G    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.455H    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.455J    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.455K    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with nonunion                          |
| S72.455M    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with nonunion               |
| ICD-10 CODE | DESCRIPTION                                                                                                                                                                     |
| S72.455N    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion   |
| S72.455P    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with malunion                          |
| S72.455Q    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with malunion               |
| S72.455R    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion   |
| S72.455S    | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, sequela                                                                         |
| S72.461A    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for closed fracture                                                |
| S72.461B    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II                                     |
| S72.461C    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.461D    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.461E    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.461F    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.461G    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.461H    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.461J    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.461K    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with nonunion                              |
| S72.461M    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with nonunion                   |
| S72.461N    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion       |
| S72.461P    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with malunion                              |
| S72.461Q    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with malunion                   |
| S72.461R    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S72.461S    | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, sequela                                                                             |
| S72.462A    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for closed fracture                                                |
| S72.462B    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II                                     |
| S72.462C    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.462D    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with routine healing                        |
| S72.462E    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.462F    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.462G    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.462H    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.462J    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.462K    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with nonunion                               |
| S72.462M    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with nonunion                    |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.462N    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion            |
| S72.462P    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with malunion                                   |
| S72.462Q    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with malunion                        |
| S72.462R    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion            |
| S72.462S    | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, sequela                                                                                  |
| S72.464A    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for closed fracture                                                |
| S72.464B    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II                                     |
| S72.464C    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.464D    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with routine healing                        |
| S72.464E    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.464F    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.464G    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.464H    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.464J    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.464K    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with nonunion                               |
| S72.464M    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.464N    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                                       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.464P    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for closed fracture with malunion                              |
| S72.464Q    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type I or II with malunion                   |
| S72.464R    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S72.464S    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, sequela                                                                             |
| S72.465A    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for closed fracture                                                |
| S72.465B    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II                                     |
| S72.465C    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S72.465D    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with routine healing                        |
| S72.465E    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with routine healing             |
| S72.465F    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.465G    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.465H    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.465J    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.465K    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with nonunion                               |
| S72.465M    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.465N    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.465P    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for closed fracture with malunion                               |

| ICD-10 CODE | DESCRIPTION                                                                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S72.465Q    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type I or II with malunion             |
| S72.465R    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion |
| S72.465S    | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, sequela                                                                       |
| S72.471A    | Torus fracture of lower end of right femur, initial encounter for closed fracture                                                                                          |
| S72.471D    | Torus fracture of lower end of right femur, subsequent encounter for fracture with routine healing                                                                         |
| S72.471G    | Torus fracture of lower end of right femur, subsequent encounter for fracture with delayed healing                                                                         |
| S72.471K    | Torus fracture of lower end of right femur, subsequent encounter for fracture with nonunion                                                                                |
| S72.471P    | Torus fracture of lower end of right femur, subsequent encounter for fracture with malunion                                                                                |
| S72.471S    | Torus fracture of lower end of right femur, sequela                                                                                                                        |
| S72.472A    | Torus fracture of lower end of left femur, initial encounter for closed fracture                                                                                           |
| S72.472D    | Torus fracture of lower end of left femur, subsequent encounter for fracture with routine healing                                                                          |
| S72.472G    | Torus fracture of lower end of left femur, subsequent encounter for fracture with delayed healing                                                                          |
| S72.472K    | Torus fracture of lower end of left femur, subsequent encounter for fracture with nonunion                                                                                 |
| S72.472P    | Torus fracture of lower end of left femur, subsequent encounter for fracture with malunion                                                                                 |
| S72.472S    | Torus fracture of lower end of left femur, sequela                                                                                                                         |
| S72.491A    | Other fracture of lower end of right femur, initial encounter for closed fracture                                                                                          |
| S72.491B    | Other fracture of lower end of right femur, initial encounter for open fracture type I or II                                                                               |
| S72.491C    | Other fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                                                                   |
| S72.491D    | Other fracture of lower end of right femur, subsequent encounter for closed fracture with routine healing                                                                  |
| S72.491E    | Other fracture of lower end of right femur, subsequent encounter for open fracture type I or II with routine healing                                                       |

| ICD-10 CODE | DESCRIPTION                                                                                                                      |
|-------------|----------------------------------------------------------------------------------------------------------------------------------|
| S72.491F    | Other fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S72.491G    | Other fracture of lower end of right femur, subsequent encounter for closed fracture with delayed healing                        |
| S72.491H    | Other fracture of lower end of right femur, subsequent encounter for open fracture type I or II with delayed healing             |
| S72.491J    | Other fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.491K    | Other fracture of lower end of right femur, subsequent encounter for closed fracture with nonunion                               |
| S72.491M    | Other fracture of lower end of right femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.491N    | Other fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.491P    | Other fracture of lower end of right femur, subsequent encounter for closed fracture with malunion                               |
| S72.491Q    | Other fracture of lower end of right femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.491R    | Other fracture of lower end of right femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.491S    | Other fracture of lower end of right femur, sequela                                                                              |
| S72.492A    | Other fracture of lower end of left femur, initial encounter for closed fracture                                                 |
| S72.492B    | Other fracture of lower end of left femur, initial encounter for open fracture type I or II                                      |
| S72.492C    | Other fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| ICD-10 CODE | DESCRIPTION                                                                                                                      |
| S72.492D    | Other fracture of lower end of left femur, subsequent encounter for closed fracture with routine healing                         |
| S72.492E    | Other fracture of lower end of left femur, subsequent encounter for open fracture type I or II with routine healing              |
| S72.492F    | Other fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing  |
| S72.492G    | Other fracture of lower end of left femur, subsequent encounter for closed fracture with delayed healing                         |
| S72.492H    | Other fracture of lower end of left femur, subsequent encounter for open fracture type I or II with delayed healing              |

| ICD-10 CODE | DESCRIPTION                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------|
| S72.492J    | Other fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S72.492K    | Other fracture of lower end of left femur, subsequent encounter for closed fracture with nonunion                               |
| S72.492M    | Other fracture of lower end of left femur, subsequent encounter for open fracture type I or II with nonunion                    |
| S72.492N    | Other fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S72.492P    | Other fracture of lower end of left femur, subsequent encounter for closed fracture with malunion                               |
| S72.492Q    | Other fracture of lower end of left femur, subsequent encounter for open fracture type I or II with malunion                    |
| S72.492R    | Other fracture of lower end of left femur, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S72.492S    | Other fracture of lower end 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                    |



| ICD-10 CODE | DESCRIPTION                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------------------|
| 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                              |

| ICD-10 CODE | DESCRIPTION                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------|
| 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  |

| ICD-10 CODE | DESCRIPTION                                                                                                              |
|-------------|--------------------------------------------------------------------------------------------------------------------------|
| 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                                                                              |
| S79.101A    | Unspecified physeal fracture of lower end of right femur, initial encounter for closed fracture                          |
| S79.101D    | Unspecified physeal fracture of lower end of right femur, subsequent encounter for fracture with routine healing         |
| S79.101G    | Unspecified physeal fracture of lower end of right femur, subsequent encounter for fracture with delayed healing         |
| S79.101K    | Unspecified physeal fracture of lower end of right femur, subsequent encounter for fracture with nonunion                |
| S79.101P    | Unspecified physeal fracture of lower end of right femur, subsequent encounter for fracture with malunion                |
| S79.101S    | Unspecified physeal fracture of lower end of right femur, sequela                                                        |
| S79.102A    | Unspecified physeal fracture of lower end of left femur, initial encounter for closed fracture                           |
| S79.102D    | Unspecified physeal fracture of lower end of left femur, subsequent encounter for fracture with routine healing          |
| S79.102G    | Unspecified physeal fracture of lower end of left femur, subsequent encounter for fracture with delayed healing          |
| S79.102K    | Unspecified physeal fracture of lower end of left femur, subsequent encounter for                                        |

| ICD-10 CODE | DESCRIPTION                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------------------|
|             | fracture with nonunion                                                                                                     |
| S79.102P    | Unspecified physeal fracture of lower end of left femur, subsequent encounter for fracture with malunion                   |
| S79.102S    | Unspecified physeal fracture of lower end of left femur, sequela                                                           |
| S79.191A    | Other physeal fracture of lower end of right femur, initial encounter for closed fracture                                  |
| S79.191D    | Other physeal fracture of lower end of right femur, subsequent encounter for fracture with routine healing                 |
| S79.191G    | Other physeal fracture of lower end of right femur, subsequent encounter for fracture with delayed healing                 |
| S79.191K    | Other physeal fracture of lower end of right femur, subsequent encounter for fracture with nonunion                        |
| S79.191P    | Other physeal fracture of lower end of right femur, subsequent encounter for fracture with malunion                        |
| S79.191S    | Other physeal fracture of lower end of right femur, sequela                                                                |
| S79.192A    | Other physeal fracture of lower end of left femur, initial encounter for closed fracture                                   |
| S79.192D    | Other physeal fracture of lower end of left femur, subsequent encounter for fracture with routine healing                  |
| S79.192G    | Other physeal fracture of lower end of left femur, subsequent encounter for fracture with delayed healing                  |
| S79.192K    | Other physeal fracture of lower end of left femur, subsequent encounter for fracture with nonunion                         |
| S79.192P    | Other physeal fracture of lower end of left femur, subsequent encounter for fracture with malunion                         |
| ICD-10 CODE | DESCRIPTION                                                                                                                |
| S79.192S    | Other physeal fracture of lower end of left femur, sequela                                                                 |
| S82.101A    | Unspecified fracture of upper end of right tibia, initial encounter for closed fracture                                    |
| S82.101B    | Unspecified fracture of upper end of right tibia, initial encounter for open fracture type I or II                         |
| S82.101C    | Unspecified fracture of upper end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC             |
| S82.101D    | Unspecified fracture of upper end of right tibia, subsequent encounter for closed fracture with routine healing            |
| S82.101E    | Unspecified fracture of upper end of right tibia, subsequent encounter for open fracture type I or II with routine healing |

| ICD-10 CODE | DESCRIPTION                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| S82.101F    | Unspecified fracture of upper end of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.101G    | Unspecified fracture of upper end of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.101H    | Unspecified fracture of upper end of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.101J    | Unspecified fracture of upper end of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.101K    | Unspecified fracture of upper end of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.101M    | Unspecified fracture of upper end of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.101N    | Unspecified fracture of upper end of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.101P    | Unspecified fracture of upper end of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.101Q    | Unspecified fracture of upper end of right tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.101R    | Unspecified fracture of upper end of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.101S    | Unspecified fracture of upper end of right tibia, sequela                                                                              |
| S82.102A    | Unspecified fracture of upper end of left tibia, initial encounter for closed fracture                                                 |
| S82.102B    | Unspecified fracture of upper end of left tibia, initial encounter for open fracture type I or II                                      |
| S82.102C    | Unspecified fracture of upper end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S82.102D    | Unspecified fracture of upper end of left tibia, subsequent encounter for closed fracture with routine healing                         |
| S82.102E    | Unspecified fracture of upper end of left tibia, subsequent encounter for open fracture type I or II with routine healing              |
| S82.102F    | Unspecified fracture of upper end of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing  |
| S82.102G    | Unspecified fracture of upper end of left tibia, subsequent encounter for closed fracture with delayed healing                         |
| S82.102H    | Unspecified fracture of upper end of left tibia, subsequent encounter for open fracture type I or II with delayed healing              |
| S82.102J    | Unspecified fracture of upper end of left tibia, subsequent encounter for open                                                         |

| ICD-10 CODE | DESCRIPTION                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------------------|
|             | fracture type IIIA, IIIB, or IIIC with delayed healing                                                                         |
| S82.102K    | Unspecified fracture of upper end of left tibia, subsequent encounter for closed fracture with nonunion                        |
| S82.102M    | Unspecified fracture of upper end of left tibia, subsequent encounter for open fracture type I or II with nonunion             |
| S82.102N    | Unspecified fracture of upper end of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion |
| S82.102P    | Unspecified fracture of upper end of left tibia, subsequent encounter for closed fracture with malunion                        |
| S82.102Q    | Unspecified fracture of upper end of left tibia, subsequent encounter for open fracture type I or II with malunion             |
| S82.102R    | Unspecified fracture of upper end of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion |
| S82.102S    | Unspecified fracture of upper end of left tibia, sequela                                                                       |
| S82.161A    | Torus fracture of upper end of right tibia, initial encounter for closed fracture                                              |
| S82.161D    | Torus fracture of upper end of right tibia, subsequent encounter for fracture with routine healing                             |
| S82.161G    | Torus fracture of upper end of right tibia, subsequent encounter for fracture with delayed healing                             |
| S82.161K    | Torus fracture of upper end of right tibia, subsequent encounter for fracture with nonunion                                    |
| S82.161P    | Torus fracture of upper end of right tibia, subsequent encounter for fracture with malunion                                    |
| S82.161S    | Torus fracture of upper end of right tibia, sequela                                                                            |
| S82.162A    | Torus fracture of upper end of left tibia, initial encounter for closed fracture                                               |
| S82.162D    | Torus fracture of upper end of left tibia, subsequent encounter for fracture with routine healing                              |
| S82.162G    | Torus fracture of upper end of left tibia, subsequent encounter for fracture with delayed healing                              |
| S82.162K    | Torus fracture of upper end of left tibia, subsequent encounter for fracture with nonunion                                     |
| S82.162P    | Torus fracture of upper end of left tibia, subsequent encounter for fracture with malunion                                     |
| S82.162S    | Torus fracture of upper end of left tibia, sequela                                                                             |
| S82.191A    | Other fracture of upper end of right tibia, initial encounter for closed fracture                                              |
| S82.191B    | Other fracture of upper end of right tibia, initial encounter for open fracture type I                                         |

| ICD-10 CODE | DESCRIPTION                                                                                                                      |
|-------------|----------------------------------------------------------------------------------------------------------------------------------|
|             | or II                                                                                                                            |
| S82.191C    | Other fracture of upper end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.191D    | Other fracture of upper end of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.191E    | Other fracture of upper end of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.191F    | Other fracture of upper end of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.191G    | Other fracture of upper end of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.191H    | Other fracture of upper end of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.191J    | Other fracture of upper end of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.191K    | Other fracture of upper end of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.191M    | Other fracture of upper end of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.191N    | Other fracture of upper end of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.191P    | Other fracture of upper end of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.191Q    | Other fracture of upper end of right tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.191R    | Other fracture of upper end of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.191S    | Other fracture of upper end of right tibia, sequela                                                                              |
| S82.192A    | Other fracture of upper end of left tibia, initial encounter for closed fracture                                                 |
| S82.192B    | Other fracture of upper end of left tibia, initial encounter for open fracture type I or II                                      |
| S82.192C    | Other fracture of upper end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S82.192D    | Other fracture of upper end of left tibia, subsequent encounter for closed fracture with routine healing                         |
| S82.192E    | Other fracture of upper end of left tibia, subsequent encounter for open fracture type I or II with routine healing              |

| ICD-10 CODE | DESCRIPTION                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------|
| S82.192F    | Other fracture of upper end of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing    |
| S82.192G    | Other fracture of upper end of left tibia, subsequent encounter for closed fracture with delayed healing                           |
| S82.192H    | Other fracture of upper end of left tibia, subsequent encounter for open fracture type I or II with delayed healing                |
| S82.192J    | Other fracture of upper end of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing    |
| S82.192K    | Other fracture of upper end of left tibia, subsequent encounter for closed fracture with nonunion                                  |
| S82.192M    | Other fracture of upper end of left tibia, subsequent encounter for open fracture type I or II with nonunion                       |
| S82.192N    | Other fracture of upper end of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion           |
| S82.192P    | Other fracture of upper end of left tibia, subsequent encounter for closed fracture with malunion                                  |
| S82.192Q    | Other fracture of upper end of left tibia, subsequent encounter for open fracture type I or II with malunion                       |
| S82.192R    | Other fracture of upper end of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion           |
| S82.192S    | Other fracture of upper end of left tibia, sequela                                                                                 |
| S82.201A    | Unspecified fracture of shaft of right tibia, initial encounter for closed fracture                                                |
| S82.201B    | Unspecified fracture of shaft of right tibia, initial encounter for open fracture type I or II                                     |
| S82.201C    | Unspecified fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.201D    | Unspecified fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.201E    | Unspecified fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.201F    | Unspecified fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.201G    | Unspecified fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.201H    | Unspecified fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.201J    | Unspecified fracture of shaft of right tibia, subsequent encounter for open fracture                                               |



| ICD-10 CODE | DESCRIPTION                                                                                                                       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
|             | type IIIA, IIIB, or IIIC with delayed healing                                                                                     |
| S82.201K    | Unspecified fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                              |
| S82.201M    | Unspecified fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                   |
| S82.201N    | Unspecified fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion       |
| S82.201P    | Unspecified fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                              |
| S82.201Q    | Unspecified fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                   |
| S82.201R    | Unspecified fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S82.201S    | Unspecified fracture of shaft of right tibia, sequela                                                                             |
| S82.202A    | Unspecified fracture of shaft of left tibia, initial encounter for closed fracture                                                |
| S82.202B    | Unspecified fracture of shaft of left tibia, initial encounter for open fracture type I or II                                     |
| S82.202C    | Unspecified fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.202D    | Unspecified fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.202E    | Unspecified fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.202F    | Unspecified fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.202G    | Unspecified fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                        |
| ICD-10 CODE | DESCRIPTION                                                                                                                       |
| S82.202H    | Unspecified fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.202J    | Unspecified fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.202K    | Unspecified fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.202M    | Unspecified fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                    |

| ICD-10 CODE | DESCRIPTION                                                                                                                                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| S82.202N    | Unspecified fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion                  |
| S82.202P    | Unspecified fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                                         |
| S82.202Q    | Unspecified fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                              |
| S82.202R    | Unspecified fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion                  |
| S82.202S    | Unspecified fracture of shaft of left tibia, sequela                                                                                        |
| S82.221A    | Displaced transverse fracture of shaft of right tibia, initial encounter for closed fracture                                                |
| S82.221B    | Displaced transverse fracture of shaft of right tibia, initial encounter for open fracture type I or II                                     |
| S82.221C    | Displaced transverse fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.221D    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.221E    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.221F    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.221G    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.221H    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.221J    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.221K    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.221M    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.221N    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.221P    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.221Q    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                    |

| ICD-10 CODE | DESCRIPTION                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| S82.221R    | Displaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S82.221S    | Displaced transverse fracture of shaft of right tibia, sequela                                                                             |
| S82.222A    | Displaced transverse fracture of shaft of left tibia, initial encounter for closed fracture                                                |
| S82.222B    | Displaced transverse fracture of shaft of left tibia, initial encounter for open fracture type I or II                                     |
| S82.222C    | Displaced transverse fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.222D    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.222E    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.222F    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.222G    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.222H    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.222J    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.222K    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.222M    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.222N    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.222P    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                               |
| S82.222Q    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.222R    | Displaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.222S    | Displaced transverse fracture of shaft of left tibia, sequela                                                                              |
| S82.224A    | Nondisplaced transverse fracture of shaft of right tibia, initial encounter for closed fracture                                            |
| S82.224B    | Nondisplaced transverse fracture of shaft of right tibia, initial encounter for open                                                       |

| ICD-10 CODE | DESCRIPTION                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|             | fracture type I or II                                                                                                                          |
| S82.224C    | Nondisplaced transverse fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.224D    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.224E    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.224F    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.224G    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.224H    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.224J    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.224K    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.224M    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.224N    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.224P    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.224Q    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.224R    | Nondisplaced transverse fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.224S    | Nondisplaced transverse fracture of shaft of right tibia, sequela                                                                              |
| S82.225A    | Nondisplaced transverse fracture of shaft of left tibia, initial encounter for closed fracture                                                 |
| S82.225B    | Nondisplaced transverse fracture of shaft of left tibia, initial encounter for open fracture type I or II                                      |
| S82.225C    | Nondisplaced transverse fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S82.225D    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                         |
| S82.225E    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for                                                              |

| ICD-10 CODE | DESCRIPTION                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|             | open fracture type I or II with routine healing                                                                                               |
| S82.225F    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.225G    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.225H    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.225J    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.225K    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.225M    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.225N    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.225P    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                               |
| S82.225Q    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.225R    | Nondisplaced transverse fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.225S    | Nondisplaced transverse fracture of shaft of left tibia, sequela                                                                              |
| S82.231A    | Displaced oblique fracture of shaft of right tibia, initial encounter for closed fracture                                                     |
| S82.231B    | Displaced oblique fracture of shaft of right tibia, initial encounter for open fracture type I or II                                          |
| S82.231C    | Displaced oblique fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                              |
| S82.231D    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                             |
| S82.231E    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing                  |
| S82.231F    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing      |
| S82.231G    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                             |
| S82.231H    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing                  |

| ICD-10 CODE | DESCRIPTION                                                                                                                              |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------|
| S82.231J    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.231K    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.231M    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.231N    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.231P    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.231Q    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.231R    | Displaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.231S    | Displaced oblique fracture of shaft of right tibia, sequela                                                                              |
| S82.232A    | Displaced oblique fracture of shaft of left tibia, initial encounter for closed fracture                                                 |
| S82.232B    | Displaced oblique fracture of shaft of left tibia, initial encounter for open fracture type I or II                                      |
| S82.232C    | Displaced oblique fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S82.232D    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                         |
| S82.232E    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing              |
| S82.232F    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing  |
| S82.232G    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                         |
| S82.232H    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing              |
| S82.232J    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing  |
| S82.232K    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                                |
| S82.232M    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                     |

| ICD-10 CODE | DESCRIPTION                                                                                                                                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| S82.232N    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion            |
| S82.232P    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                                   |
| S82.232Q    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                        |
| S82.232R    | Displaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion            |
| S82.232S    | Displaced oblique fracture of shaft of left tibia, sequela                                                                                  |
| S82.234A    | Nondisplaced oblique fracture of shaft of right tibia, initial encounter for closed fracture                                                |
| S82.234B    | Nondisplaced oblique fracture of shaft of right tibia, initial encounter for open fracture type I or II                                     |
| S82.234C    | Nondisplaced oblique fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.234D    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.234E    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.234F    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.234G    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.234H    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.234J    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.234K    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.234M    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.234N    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.234P    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.234Q    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                    |

| ICD-10 CODE | DESCRIPTION                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| S82.234R    | Nondisplaced oblique fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S82.234S    | Nondisplaced oblique fracture of shaft of right tibia, sequela                                                                             |
| S82.235A    | Nondisplaced oblique fracture of shaft of left tibia, initial encounter for closed fracture                                                |
| S82.235B    | Nondisplaced oblique fracture of shaft of left tibia, initial encounter for open fracture type I or II                                     |
| S82.235C    | Nondisplaced oblique fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.235D    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.235E    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.235F    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.235G    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.235H    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.235J    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.235K    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.235M    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.235N    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.235P    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                               |
| S82.235Q    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.235R    | Nondisplaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.235S    | Nondisplaced oblique fracture of shaft of left tibia, sequela                                                                              |
| S82.241A    | Displaced spiral fracture of shaft of right tibia, initial encounter for closed fracture                                                   |
| S82.241B    | Displaced spiral fracture of shaft of right tibia, initial encounter for open fracture type I or II                                        |



| ICD-10 CODE | DESCRIPTION                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| S82.241C    | Displaced spiral fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.241D    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.241E    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.241F    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.241G    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.241H    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.241J    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.241K    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.241M    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.241N    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.241P    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.241Q    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.241R    | Displaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.241S    | Displaced spiral fracture of shaft of right tibia, sequela                                                                              |
| S82.242A    | Displaced spiral fracture of shaft of left tibia, initial encounter for closed fracture                                                 |
| S82.242B    | Displaced spiral fracture of shaft of left tibia, initial encounter for open fracture type I or II                                      |
| S82.242C    | Displaced spiral fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S82.242D    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                         |
| S82.242E    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing              |
| S82.242F    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for open                                                         |

| ICD-10 CODE | DESCRIPTION                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|             | fracture type IIIA, IIIB, or IIIC with routine healing                                                                                     |
| S82.242G    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                            |
| S82.242H    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing                 |
| S82.242J    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing     |
| S82.242K    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                                   |
| S82.242M    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                        |
| S82.242N    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion            |
| S82.242P    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                                   |
| S82.242Q    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                        |
| S82.242R    | Displaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion            |
| S82.242S    | Displaced spiral fracture of shaft of left tibia, sequela                                                                                  |
| S82.244A    | Nondisplaced spiral fracture of shaft of right tibia, initial encounter for closed fracture                                                |
| S82.244B    | Nondisplaced spiral fracture of shaft of right tibia, initial encounter for open fracture type I or II                                     |
| S82.244C    | Nondisplaced spiral fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.244D    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.244E    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.244F    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.244G    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.244H    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.244J    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for open                                                        |

| ICD-10 CODE | DESCRIPTION                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|             | fracture type IIIA, IIIB, or IIIC with delayed healing                                                                                    |
| S82.244K    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                              |
| S82.244M    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                   |
| S82.244N    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion       |
| S82.244P    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                              |
| S82.244Q    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                   |
| S82.244R    | Nondisplaced spiral fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S82.244S    | Nondisplaced spiral fracture of shaft of right tibia, sequela                                                                             |
| S82.245A    | Nondisplaced spiral fracture of shaft of left tibia, initial encounter for closed fracture                                                |
| S82.245B    | Nondisplaced spiral fracture of shaft of left tibia, initial encounter for open fracture type I or II                                     |
| S82.245C    | Nondisplaced spiral fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.245D    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.245E    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.245F    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.245G    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.245H    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.245J    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.245K    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.245M    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.245N    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |

| ICD-10 CODE | DESCRIPTION                                                                                                                                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| S82.245P    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                                 |
| S82.245Q    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                      |
| S82.245R    | Nondisplaced spiral fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion          |
| ICD-10 CODE | DESCRIPTION                                                                                                                                 |
| S82.245S    | Nondisplaced spiral fracture of shaft of left tibia, sequela                                                                                |
| S82.251A    | Displaced comminuted fracture of shaft of right tibia, initial encounter for closed fracture                                                |
| S82.251B    | Displaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type I or II                                     |
| S82.251C    | Displaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.251D    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.251E    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.251F    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.251G    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.251H    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.251J    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.251K    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.251M    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.251N    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.251P    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.251Q    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.251R    | Displaced comminuted fracture of shaft of right tibia, subsequent encounter for                                                             |

| ICD-10 CODE | DESCRIPTION                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|             | open fracture type IIIA, IIIB, or IIIC with malunion                                                                                       |
| S82.251S    | Displaced comminuted fracture of shaft of right tibia, sequela                                                                             |
| S82.252A    | Displaced comminuted fracture of shaft of left tibia, initial encounter for closed fracture                                                |
| S82.252B    | Displaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type I or II                                     |
| S82.252C    | Displaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.252D    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.252E    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.252F    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.252G    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.252H    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.252J    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.252K    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.252M    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.252N    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.252P    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                               |
| S82.252Q    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.252R    | Displaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.252S    | Displaced comminuted fracture of shaft of left tibia, sequela                                                                              |
| S82.254A    | Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for closed fracture                                            |
| S82.254B    | Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type I or II                                 |

| ICD-10 CODE | DESCRIPTION                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| S82.254C    | Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.254D    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.254E    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.254F    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.254G    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.254H    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.254J    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.254K    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.254M    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.254N    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.254P    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.254Q    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.254R    | Nondisplaced comminuted fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.254S    | Nondisplaced comminuted fracture of shaft of right tibia, sequela                                                                              |
| S82.255A    | Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for closed fracture                                                 |
| S82.255B    | Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type I or II                                      |
| S82.255C    | Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S82.255D    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                         |
| S82.255E    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing              |

| ICD-10 CODE | DESCRIPTION                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| S82.255F    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.255G    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.255H    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.255J    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.255K    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.255M    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.255N    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.255P    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                               |
| S82.255Q    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.255R    | Nondisplaced comminuted fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.255S    | Nondisplaced comminuted fracture of shaft of left tibia, sequela                                                                              |
| S82.261A    | Displaced segmental fracture of shaft of right tibia, initial encounter for closed fracture                                                   |
| S82.261B    | Displaced segmental fracture of shaft of right tibia, initial encounter for open fracture type I or II                                        |
| S82.261C    | Displaced segmental fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                            |
| S82.261D    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                           |
| S82.261E    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing                |
| S82.261F    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing    |
| S82.261G    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                           |
| S82.261H    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing                |

| ICD-10 CODE | DESCRIPTION                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| S82.261J    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.261K    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.261M    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.261N    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.261P    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.261Q    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.261R    | Displaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.261S    | Displaced segmental fracture of shaft of right tibia, sequela                                                                              |
| S82.262A    | Displaced segmental fracture of shaft of left tibia, initial encounter for closed fracture                                                 |
| S82.262B    | Displaced segmental fracture of shaft of left tibia, initial encounter for open fracture type I or II                                      |
| S82.262C    | Displaced segmental fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S82.262D    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                         |
| S82.262E    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing              |
| S82.262F    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing  |
| S82.262G    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                         |
| S82.262H    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing              |
| S82.262J    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing  |
| S82.262K    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                                |
| S82.262M    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                     |



| ICD-10 CODE | DESCRIPTION                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| S82.262N    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion            |
| S82.262P    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                                   |
| S82.262Q    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                        |
| S82.262R    | Displaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion            |
| S82.262S    | Displaced segmental fracture of shaft of left tibia, sequela                                                                                  |
| S82.264A    | Nondisplaced segmental fracture of shaft of right tibia, initial encounter for closed fracture                                                |
| S82.264B    | Nondisplaced segmental fracture of shaft of right tibia, initial encounter for open fracture type I or II                                     |
| S82.264C    | Nondisplaced segmental fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| ICD-10 CODE | DESCRIPTION                                                                                                                                   |
| S82.264D    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.264E    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.264F    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.264G    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.264H    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.264J    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.264K    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.264M    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.264N    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.264P    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.264Q    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for                                                             |

| ICD-10 CODE | DESCRIPTION                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|             | open fracture type I or II with malunion                                                                                                     |
| S82.264R    | Nondisplaced segmental fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S82.264S    | Nondisplaced segmental fracture of shaft of right tibia, sequela                                                                             |
| S82.265A    | Nondisplaced segmental fracture of shaft of left tibia, initial encounter for closed fracture                                                |
| S82.265B    | Nondisplaced segmental fracture of shaft of left tibia, initial encounter for open fracture type I or II                                     |
| S82.265C    | Nondisplaced segmental fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.265D    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.265E    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.265F    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.265G    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.265H    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.265J    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.265K    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.265M    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.265N    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.265P    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                               |
| S82.265Q    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.265R    | Nondisplaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.265S    | Nondisplaced segmental fracture of shaft of left tibia, sequela                                                                              |
| S82.291A    | Other fracture of shaft of right tibia, initial encounter for closed fracture                                                                |

| ICD-10 CODE | DESCRIPTION                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------------------|
| S82.291B    | Other fracture of shaft of right tibia, initial encounter for open fracture type I or II                                     |
| S82.291C    | Other fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.291D    | Other fracture of shaft of right tibia, subsequent encounter for closed fracture with routine healing                        |
| S82.291E    | Other fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with routine healing             |
| S82.291F    | Other fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.291G    | Other fracture of shaft of right tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.291H    | Other fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.291J    | Other fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.291K    | Other fracture of shaft of right tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.291M    | Other fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.291N    | Other fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.291P    | Other fracture of shaft of right tibia, subsequent encounter for closed fracture with malunion                               |
| S82.291Q    | Other fracture of shaft of right tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.291R    | Other fracture of shaft of right tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.291S    | Other fracture of shaft of right tibia, sequela                                                                              |
| S82.292A    | Other fracture of shaft of left tibia, initial encounter for closed fracture                                                 |
| S82.292B    | Other fracture of shaft of left tibia, initial encounter for open fracture type I or II                                      |
| S82.292C    | Other fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| S82.292D    | Other fracture of shaft of left tibia, subsequent encounter for closed fracture with routine healing                         |
| S82.292E    | Other fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with routine healing              |

| ICD-10 CODE | DESCRIPTION                                                                                                                 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| S82.292F    | Other fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.292G    | Other fracture of shaft of left tibia, subsequent encounter for closed fracture with delayed healing                        |
| S82.292H    | Other fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.292J    | Other fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.292K    | Other fracture of shaft of left tibia, subsequent encounter for closed fracture with nonunion                               |
| S82.292M    | Other fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.292N    | Other fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.292P    | Other fracture of shaft of left tibia, subsequent encounter for closed fracture with malunion                               |
| S82.292Q    | Other fracture of shaft of left tibia, subsequent encounter for open fracture type I or II with malunion                    |
| S82.292R    | Other fracture of shaft of left tibia, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.292S    | Other fracture of shaft of left tibia, sequela                                                                              |
| S82.891A    | Other fracture of right lower leg, initial encounter for closed fracture                                                    |
| S82.891B    | Other fracture of right lower leg, initial encounter for open fracture type I or II                                         |
| S82.891C    | Other fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC                             |
| S82.891D    | Other fracture of right lower leg, subsequent encounter for closed fracture with routine healing                            |
| S82.891E    | Other fracture of right lower leg, subsequent encounter for open fracture type I or II with routine healing                 |
| S82.891F    | Other fracture of right lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing     |
| S82.891G    | Other fracture of right lower leg, subsequent encounter for closed fracture with delayed healing                            |
| S82.891H    | Other fracture of right lower leg, subsequent encounter for open fracture type I or II with delayed healing                 |
| S82.891J    | Other fracture of right lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing     |

| ICD-10 CODE | DESCRIPTION                                                                                                            |
|-------------|------------------------------------------------------------------------------------------------------------------------|
| S82.891K    | Other fracture of right lower leg, subsequent encounter for closed fracture with nonunion                              |
| S82.891M    | Other fracture of right lower leg, subsequent encounter for open fracture type I or II with nonunion                   |
| S82.891N    | Other fracture of right lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion       |
| S82.891P    | Other fracture of right lower leg, subsequent encounter for closed fracture with malunion                              |
| S82.891Q    | Other fracture of right lower leg, subsequent encounter for open fracture type I or II with malunion                   |
| S82.891R    | Other fracture of right lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion       |
| S82.891S    | Other fracture of right lower leg, sequela                                                                             |
| S82.892A    | Other fracture of left lower leg, initial encounter for closed fracture                                                |
| S82.892B    | Other fracture of left lower leg, initial encounter for open fracture type I or II                                     |
| S82.892C    | Other fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.892D    | Other fracture of left lower leg, subsequent encounter for closed fracture with routine healing                        |
| S82.892E    | Other fracture of left lower leg, subsequent encounter for open fracture type I or II with routine healing             |
| S82.892F    | Other fracture of left lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.892G    | Other fracture of left lower leg, subsequent encounter for closed fracture with delayed healing                        |
| S82.892H    | Other fracture of left lower leg, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.892J    | Other fracture of left lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.892K    | Other fracture of left lower leg, subsequent encounter for closed fracture with nonunion                               |
| S82.892M    | Other fracture of left lower leg, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.892N    | Other fracture of left lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.892P    | Other fracture of left lower leg, subsequent encounter for closed fracture with malunion                               |

| ICD-10 CODE | DESCRIPTION                                                                                                                   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------|
| S82.892Q    | Other fracture of left lower leg, subsequent encounter for open fracture type I or II with malunion                           |
| S82.892R    | Other fracture of left lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion               |
| S82.892S    | Other fracture of left lower leg, sequela                                                                                     |
| S82.91XA    | Unspecified fracture of right lower leg, initial encounter for closed fracture                                                |
| S82.91XB    | Unspecified fracture of right lower leg, initial encounter for open fracture type I or II                                     |
| S82.91XC    | Unspecified fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.91XD    | Unspecified fracture of right lower leg, subsequent encounter for closed fracture with routine healing                        |
| S82.91XE    | Unspecified fracture of right lower leg, subsequent encounter for open fracture type I or II with routine healing             |
| S82.91XF    | Unspecified fracture of right lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.91XG    | Unspecified fracture of right lower leg, subsequent encounter for closed fracture with delayed healing                        |
| ICD-10 CODE | DESCRIPTION                                                                                                                   |
| S82.91XH    | Unspecified fracture of right lower leg, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.91XJ    | Unspecified fracture of right lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.91XK    | Unspecified fracture of right lower leg, subsequent encounter for closed fracture with nonunion                               |
| S82.91XM    | Unspecified fracture of right lower leg, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.91XN    | Unspecified fracture of right lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.91XP    | Unspecified fracture of right lower leg, subsequent encounter for closed fracture with malunion                               |
| S82.91XQ    | Unspecified fracture of right lower leg, subsequent encounter for open fracture type I or II with malunion                    |
| S82.91XR    | Unspecified fracture of right lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.91XS    | Unspecified fracture of right lower leg, sequela                                                                              |
| S82.92XA    | Unspecified fracture of left lower leg, initial encounter for closed fracture                                                 |

| ICD-10 CODE | DESCRIPTION                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------------------|
| S82.92XB    | Unspecified fracture of left lower leg, initial encounter for open fracture type I or II                                     |
| S82.92XC    | Unspecified fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| S82.92XD    | Unspecified fracture of left lower leg, subsequent encounter for closed fracture with routine healing                        |
| S82.92XE    | Unspecified fracture of left lower leg, subsequent encounter for open fracture type I or II with routine healing             |
| S82.92XF    | Unspecified fracture of left lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing |
| S82.92XG    | Unspecified fracture of left lower leg, subsequent encounter for closed fracture with delayed healing                        |
| S82.92XH    | Unspecified fracture of left lower leg, subsequent encounter for open fracture type I or II with delayed healing             |
| S82.92XJ    | Unspecified fracture of left lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing |
| S82.92XK    | Unspecified fracture of left lower leg, subsequent encounter for closed fracture with nonunion                               |
| S82.92XM    | Unspecified fracture of left lower leg, subsequent encounter for open fracture type I or II with nonunion                    |
| S82.92XN    | Unspecified fracture of left lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion        |
| S82.92XP    | Unspecified fracture of left lower leg, subsequent encounter for closed fracture with malunion                               |
| S82.92XQ    | Unspecified fracture of left lower leg, subsequent encounter for open fracture type I or II with malunion                    |
| S82.92XR    | Unspecified fracture of left lower leg, subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion        |
| S82.92XS    | Unspecified fracture of left lower leg, sequela                                                                              |
| S89.001A    | Unspecified physeal fracture of upper end of right tibia, initial encounter for closed fracture                              |
| S89.001D    | Unspecified physeal fracture of upper end of right tibia, subsequent encounter for fracture with routine healing             |
| S89.001G    | Unspecified physeal fracture of upper end of right tibia, subsequent encounter for fracture with delayed healing             |
| S89.001K    | Unspecified physeal fracture of upper end of right tibia, subsequent encounter for fracture with nonunion                    |
| S89.001P    | Unspecified physeal fracture of upper end of right tibia, subsequent encounter for                                           |

| ICD-10 CODE | DESCRIPTION                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------|
|             | fracture with malunion                                                                                          |
| S89.001S    | Unspecified physeal fracture of upper end of right tibia, sequela                                               |
| S89.002A    | Unspecified physeal fracture of upper end of left tibia, initial encounter for closed fracture                  |
| S89.002D    | Unspecified physeal fracture of upper end of left tibia, subsequent encounter for fracture with routine healing |
| S89.002G    | Unspecified physeal fracture of upper end of left tibia, subsequent encounter for fracture with delayed healing |
| S89.002K    | Unspecified physeal fracture of upper end of left tibia, subsequent encounter for fracture with nonunion        |
| S89.002P    | Unspecified physeal fracture of upper end of left tibia, subsequent encounter for fracture with malunion        |
| S89.002S    | Unspecified physeal fracture of upper end of left tibia, sequela                                                |
| S89.091A    | Other physeal fracture of upper end of right tibia, initial encounter for closed fracture                       |
| S89.091D    | Other physeal fracture of upper end of right tibia, subsequent encounter for fracture with routine healing      |
| S89.091G    | Other physeal fracture of upper end of right tibia, subsequent encounter for fracture with delayed healing      |
| S89.091K    | Other physeal fracture of upper end of right tibia, subsequent encounter for fracture with nonunion             |
| S89.091P    | Other physeal fracture of upper end of right tibia, subsequent encounter for fracture with malunion             |
| S89.091S    | Other physeal fracture of upper end of right tibia, sequela                                                     |
| S89.092A    | Other physeal fracture of upper end of left tibia, initial encounter for closed fracture                        |
| S89.092D    | Other physeal fracture of upper end of left tibia, subsequent encounter for fracture with routine healing       |
| S89.092G    | Other physeal fracture of upper end of left tibia, subsequent encounter for fracture with delayed healing       |
| S89.092K    | Other physeal fracture of upper end of left tibia, subsequent encounter for fracture with nonunion              |
| S89.092P    | Other physeal fracture of upper end of left tibia, subsequent encounter for fracture with malunion              |
| S89.092S    | Other physeal fracture of upper end of left tibia, sequela                                                      |
| T84.012A    | Broken internal right knee prosthesis, initial encounter                                                        |
| T84.012D    | Broken internal right knee prosthesis, subsequent encounter                                                     |



| ICD-10 CODE | DESCRIPTION                                                                                     |
|-------------|-------------------------------------------------------------------------------------------------|
| T84.012S    | Broken internal right knee prosthesis, sequela                                                  |
| T84.013A    | Broken internal left knee prosthesis, initial encounter                                         |
| T84.013D    | Broken internal left knee prosthesis, subsequent encounter                                      |
| T84.013S    | Broken internal left knee prosthesis, sequela                                                   |
| T84.022A    | Instability of internal right knee prosthesis, initial encounter                                |
| T84.022D    | Instability of internal right knee prosthesis, subsequent encounter                             |
| T84.022S    | Instability of internal right knee prosthesis, sequela                                          |
| T84.023A    | Instability of internal left knee prosthesis, initial encounter                                 |
| T84.023D    | Instability of internal left knee prosthesis, subsequent encounter                              |
| T84.023S    | Instability of internal left knee prosthesis, sequela                                           |
| T84.032A    | Mechanical loosening of internal right knee prosthetic joint, initial encounter                 |
| T84.032D    | Mechanical loosening of internal right knee prosthetic joint, subsequent encounter              |
| T84.032S    | Mechanical loosening of internal right knee prosthetic joint, sequela                           |
| T84.033A    | Mechanical loosening of internal left knee prosthetic joint, initial encounter                  |
| T84.033D    | Mechanical loosening of internal left knee prosthetic joint, subsequent encounter               |
| T84.033S    | Mechanical loosening of internal left knee prosthetic joint, sequela                            |
| T84.052A    | Periprosthetic osteolysis of internal prosthetic right knee joint, initial encounter            |
| T84.052D    | Periprosthetic osteolysis of internal prosthetic right knee joint, subsequent encounter         |
| T84.052S    | Periprosthetic osteolysis of internal prosthetic right knee joint, sequela                      |
| T84.053A    | Periprosthetic osteolysis of internal prosthetic left knee joint, initial encounter             |
| T84.053D    | Periprosthetic osteolysis of internal prosthetic left knee joint, subsequent encounter          |
| T84.053S    | Periprosthetic osteolysis of internal prosthetic left knee joint, sequela                       |
| T84.062A    | Wear of articular bearing surface of internal prosthetic right knee joint, initial encounter    |
| T84.062D    | Wear of articular bearing surface of internal prosthetic right knee joint, subsequent encounter |
| T84.062S    | Wear of articular bearing surface of internal prosthetic right knee joint, sequela              |
| T84.063A    | Wear of articular bearing surface of internal prosthetic left knee joint, initial encounter     |
| T84.063D    | Wear of articular bearing surface of internal prosthetic left knee joint, subsequent encounter  |
| T84.063S    | Wear of articular bearing surface of internal prosthetic left knee joint, sequela               |

| ICD-10 CODE | DESCRIPTION                                                                                     |
|-------------|-------------------------------------------------------------------------------------------------|
| T84.092A    | Other mechanical complication of internal right knee prosthesis, initial encounter              |
| T84.092D    | Other mechanical complication of internal right knee prosthesis, subsequent encounter           |
| T84.092S    | Other mechanical complication of internal right knee prosthesis, sequela                        |
| T84.093A    | Other mechanical complication of internal left knee prosthesis, initial encounter               |
| T84.093D    | Other mechanical complication of internal left knee prosthesis, subsequent encounter            |
| T84.093S    | Other mechanical complication of internal left knee prosthesis, sequela                         |
| T84.53XA    | Infection and inflammatory reaction due to internal right knee prosthesis, initial encounter    |
| T84.53XD    | Infection and inflammatory reaction due to internal right knee prosthesis, subsequent encounter |
| T84.53XS    | Infection and inflammatory reaction due to internal right knee prosthesis, sequela              |
| T84.54XA    | Infection and inflammatory reaction due to internal left knee prosthesis, initial encounter     |
| T84.54XD    | Infection and inflammatory reaction due to internal left knee prosthesis, subsequent encounter  |
| T84.54XS    | Infection and inflammatory reaction due to internal left knee prosthesis, sequela               |
| Z47.33      | Aftercare following explantation of knee joint prosthesis                                       |
| Z89.521     | Acquired absence of right knee                                                                  |
| Z89.522     | Acquired absence of left knee                                                                   |

### ICD-10 Codes that DO NOT Support Medical Necessity

N/A

### Additional ICD-10 Information

N/A

### 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.

| CODE | DESCRIPTION    |
|------|----------------|
| 999x | Not Applicable |

#### 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.

| CODE  | DESCRIPTION    |
|-------|----------------|
| 99999 | Not Applicable |

#### Other Coding Information

N/A

## Revision History Information

N/A

## Associated Documents

#### Related Local Coverage Document(s)

Article(s)

A55079 - Response to Comments: Total Knee Arthroplasty

LCD(s)

L36575 - Total Knee Arthroplasty

DL36575

- (MCD Archive Site)

#### Related National Coverage Document(s)

N/A

#### Statutory Requirements URL(s)

N/A

#### Rules and Regulations URL(s)

N/A

#### CMS Manual Explanations URL(s)

N/A

#### Other URL(s)

N/A

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