

<b>CLINICAL MEDICAL POLICY</b>	
<b>Policy Name:</b>	Noninvasive Electrical Bone Growth Stimulators (osteogenesis stimulators)
<b>Policy Number:</b>	MP-070-MD-DE
<b>Responsible Department(s):</b>	Medical Management
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<b>Application:</b>	All participating hospitals and providers
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**DISCLAIMER**

**Highmark Health Options medical policy is intended to serve only as a general reference resource regarding coverage for the services described. This policy does not constitute medical advice and is not intended to govern or otherwise influence medical decisions.**

**POLICY STATEMENT**

Highmark Health Options may provide coverage under the medical-surgical and DME benefits of the Company's Medicaid products for medically necessary noninvasive electrical bone growth stimulators as treatment of nonunion long bone fractures or congenital pseudarthrosis.

This policy is designed to address medical necessity guidelines that are appropriate for the majority of individuals with a particular disease, illness or condition. Each person's unique clinical circumstances warrant individual consideration, based upon review of applicable medical records.

The qualifications of the policy will meet the standards of the National Committee for Quality Assurance (NCQA) and the Delaware Department of Health and Social Services (DHSS) and all applicable state and federal regulations.

## **DEFINITIONS**

**Non-invasive (Osteogenic) Electrical Bone Growth Stimulator** – A device that uses pulsed-electromagnetic fields, capacitative coupling or combined magnetic fields to generate a weak electric current through the target site.

**Appendicular Skeleton** – Bones of the shoulder girdle, upper extremities, pelvis, and lower extremities.

**Long Bones** – Clavicle, humerus, radius, ulna, femur, tibia, fibula, metacarpal, and metatarsal.

**Non-union Fracture** – is the result of an arrest in the healing process and is defined by the following three findings:

1. Motion at the fracture site,
2. Radiographic evidence showing the persistence of the fracture line without bridging callus,
3. Incomplete progression toward radiographic healing in the expected length of time for the given bone and further healing not expected.

**Delayed union** - The healing process continues, but the fracture takes longer than usual to heal. The fact that a bone is delayed in its union does not mean that it will become a non-union. Reasons for delayed union may include inadequate reduction, inadequate immobilization, poor calcium and vitamin D3 intake, and impaired blood supply.

**Congenital Pseudoarthrosis** – A very rare birth defect where the middle portion of a bone fails to develop normally so that the two ends of the bone shaft are not joined. This gives the bone appearance of having a joint. The bones commonly affected include the shin bone, collar bone, forearm bone, and upper leg bone – one or more bones may be involved.

**Serial Radiographs** – Two or more sets of appropriate imaging studies separated by a minimum of 90 days or three months, confirming that clinically significant fracture healing has not occurred.

**Capacitative Coupling Electric Field (CCEF)** – A type of stimulation that involves two electrodes placed on the skin over the fusion site and connected to an external battery-powered device. The batteries are changed daily, and the patient is encouraged to use the device as much as possible (24 hours per day).

**Pulsed Electromagnetic Field (PEMF)** – A type of stimulation that requires coils (usually embedded in a brace) that produces a time-varying magnetic field around the area of the desired fusion. Patients are generally instructed to wear the device for 3 to 8 hours per day.

**Combined Magnetic Fields (CMF)** – A type of stimulation that delivers a time-varying magnetic field by superimposing the time-varying field onto an additional static magnetic field. This device involves 30 minutes of treatment daily for 9 months.

## **PROCEDURES**

### 1. Medical Necessity Guidelines

A noninvasive EBGs device (E0747) (osteogenesis stimulator) is considered medically necessary when the following criteria are met:

- A. The patient has a nonunion, long bone fracture in the appendicular skeleton; OR
- B. The patient has a congenital pseudarthrosis; AND

- C. There are serial radiographs that show evidence that the fracture healing has ceased for 3 or more months prior to starting EBGs treatment; AND
    - 1) The serial radiographs must include a minimum of 2 sets of radiographs prior to starting treatment, each including multiple views of the fracture site, separated by a minimum of 90 days; AND
  - D. The fracture gap is 1 cm or less; AND
  - E. The fracture has been adequately immobilized; AND
  - F. The patient has exhibited compliance with non-weight bearing activity.
2. Semi-invasive electrical bone growth stimulation (EBGS) is considered investigational for the treatment of all conditions.
3. When a non-invasive EBGs is not covered for long bones  
Noninvasive EBGs is not covered for conditions other than those listed above because the scientific evidence has not been established. Non-covered indications for non-spinal noninvasive electrical bone growth stimulators include but are not limited to any of the following:
- A. As an adjunct to (i.e., at the time of or immediately after) bunionectomy procedures (when such surgery results in nonunion the medically necessary criteria above may apply); OR
  - B. As an adjunct to (i.e., at the time of or immediately after) distraction osteogenesis procedures for any indication (e.g., limb lengthening, nonunion, or tibial defects); OR
  - C. Axial skeleton fractures, including the skull and vertebrae; OR
  - D. Delayed fracture unions; OR
  - E. Stress fracture; OR
  - F. Fresh and/or acute fractures; OR
  - G. Treatment of sesmoiditis; OR
  - H. Patellar tendinopathy.
4. Contraindications
- A. Invasive and non-invasive EBGs is contraindicated in patients with implanted electrical devices, such as:
    - 1) Cardiac pacemakers;
    - 2) Implantable cardioverter-defibrillator;
    - 3) Subcutaneous implantable cardioverter-defibrillator.
  - B. Invasive and non-invasive EBGs is contraindicated in the presence of an external or internal fixation device constructed from magnetic materials.
  - C. The use of these device systems is contraindicated if the individual has synovial pseudarthrosis.
  - D. There are unknown effects associated with electromagnetic stimulation in pregnant and nursing women.
  - E. No pathologic long bone fractures due to malignant tumors.
  - F. No concurrent use of ultrasound stimulation (MP-068);
5. DME
- The noninvasive electrical bone growth stimulators (E0747) are classified as DME rental or purchase items and may be subject to prior authorization requirements.
- The devices are reimbursed in:
- The office setting to a medical supplier DME; OR
  - The home setting to a home health DME or medical supplier DME.

A patient will have authorization for one EBGs device when the patient meets the medical necessity guidelines above.

6. Post-payment Audit Statement

The medical record must include documentation that reflects the medical necessity criteria and is subject to audit by Highmark Health Options at any time pursuant to the terms of your provider agreement.

7. Place of Service

The place of service for noninvasive electrical bone growth stimulators is in the outpatient setting.

**GOVERNING BODIES APPROVAL**

The following National Coverage Determination (NCD) was reviewed:

Osteogenetic Stimulation; Electrical Osteogenic (150.2) Stimulators <https://www.cms.gov/medicare-coverage-database/details/ncd-details.aspx?NCDId=65&ncdver=2&DocID=150.2&SearchType=Advanced&bc=IAAABAAAA&>

The following Local Coverage Determination (LCD) was reviewed: Osteogenic Stimulation (L33796)

<https://www.cms.gov/medicare-coverage-database/details/lcd-details.aspx?LCDId=33796&ver=10&Date=&DocID=L33796&bc=iAABAAAA&>

Class III FDA-approved Noninvasive Electrical Bone Growth Stimulators include but are not limited to:

- OL 1000® (Regentek, a division of dj Orthopedics, LLC Tempe, AZ);
- Physio-Stim Lite® (Orthofix, Inc., Richardson, TX);
- EBI Bone Healing System® and OrthoPak® (Bioelectron, Parsippany, NJ)
- OrthoLogic®

Additional information is available at:

<http://www.fda.gov/MedicalDevices/DeviceRegulationandGuidance/IVDRegulatoryAssistance/ucm124105.htm>.

**CODING REQUIREMENTS**

Group 1: Noninvasive Electrical Bone Growth Stimulator:

CPT/HCPCS Codes	Description
20974	Electrical stimulation to aid bone healing; non-invasive (non-operative); for both the osteogenic stimulator non-invasive, and osteogenic stimulator, non-invasive spinal application
E0747	Osteogenesis Stimulator, Electrical Stimulator, non-invasive, other than spinal applications

## Diagnosis Codes

### Group 1: ICD-10 codes for CPT code 20974/HCPCS code E0747

ICD-10 Codes	Description
M80.011K	Age-related osteoporosis with current pathological fracture, right shoulder, subsequent encounter for fracture with nonunion
M80.012K	Age-related osteoporosis with current pathological fracture, left shoulder, subsequent encounter for fracture with nonunion
M80.019K	Age-related osteoporosis with current pathological fracture, unspecified shoulder, subsequent encounter for fracture with nonunion
M80.021K	Age-related osteoporosis with current pathological fracture, right humerus, subsequent encounter for fracture with nonunion
M80.022K	Age-related osteoporosis with current pathological fracture, left humerus, subsequent encounter for fracture with nonunion
M80.029K	Age-related osteoporosis with current pathological fracture, unspecified humerus, subsequent encounter for fracture with nonunion
M80.031K	Age-related osteoporosis with current pathological fracture, right forearm, subsequent encounter for fracture with nonunion
M80.032K	Age-related osteoporosis with current pathological fracture, left forearm, subsequent encounter for fracture with nonunion
M80.039K	Age-related osteoporosis with current pathological fracture, unspecified forearm, subsequent encounter for fracture with nonunion
M80.041K	Age-related osteoporosis with current pathological fracture, right hand, subsequent encounter for fracture with nonunion
M80.042K	Age-related osteoporosis with current pathological fracture, left hand, subsequent encounter for fracture with nonunion
M80.049K	Age-related osteoporosis with current pathological fracture, unspecified hand, subsequent encounter for fracture with nonunion
M80.051K	Age-related osteoporosis with current pathological fracture, right femur, subsequent encounter for fracture with nonunion
M80.052K	Age-related osteoporosis with current pathological fracture, left femur, subsequent encounter for fracture with nonunion
M80.059K	Age-related osteoporosis with current pathological fracture, unspecified femur, subsequent encounter for fracture with nonunion
M80.061K	Age-related osteoporosis with current pathological fracture, right lower leg, subsequent encounter for fracture with nonunion
M80.062K	Age-related osteoporosis with current pathological fracture, left lower leg, subsequent encounter for fracture with nonunion
M80.069K	Age-related osteoporosis with current pathological fracture, unspecified lower leg, subsequent encounter for fracture with nonunion
M80.071K	Age-related osteoporosis with current pathological fracture, right ankle and foot, subsequent encounter for fracture with nonunion
M80.072K	Age-related osteoporosis with current pathological fracture, left ankle and foot, subsequent encounter for fracture with nonunion
M80.079K	Age-related osteoporosis with current pathological fracture, unspecified ankle and foot, subsequent encounter for fracture with nonunion
M80.811K	Other osteoporosis with current pathological fracture, right shoulder, subsequent encounter for fracture with nonunion
M80.812K	Other osteoporosis with current pathological fracture, left shoulder, subsequent encounter for fracture with nonunion
M80.819K	Other osteoporosis with current pathological fracture, unspecified shoulder, subsequent encounter for fracture with nonunion
M80.821K	Other osteoporosis with current pathological fracture, right humerus, subsequent encounter for fracture with nonunion
M80.822K	Other osteoporosis with current pathological fracture, left humerus, subsequent encounter for fracture with nonunion
M80.829K	Other osteoporosis with current pathological fracture, unspecified humerus, subsequent encounter for fracture with nonunion

M80.831K	Other osteoporosis with current pathological fracture, right forearm, subsequent encounter for fracture with nonunion
M80.832K	Other osteoporosis with current pathological fracture, left forearm, subsequent encounter for fracture with nonunion
M80.839K	Other osteoporosis with current pathological fracture, unspecified forearm, subsequent encounter for fracture with nonunion
M80.841K	Other osteoporosis with current pathological fracture, right hand, subsequent encounter for fracture with nonunion
M80.842K	Other osteoporosis with current pathological fracture, left hand, subsequent encounter for fracture with nonunion
M80.849K	Other osteoporosis with current pathological fracture, unspecified hand, subsequent encounter for fracture with nonunion
M80.851K	Other osteoporosis with current pathological fracture, right femur, subsequent encounter for fracture with nonunion
M80.852K	Other osteoporosis with current pathological fracture, left femur, subsequent encounter for fracture with nonunion
M80.859K	Other osteoporosis with current pathological fracture, unspecified femur, subsequent encounter for fracture with nonunion
M80.861K	Other osteoporosis with current pathological fracture, right lower leg, subsequent encounter for fracture with nonunion
M80.862K	Other osteoporosis with current pathological fracture, left lower leg, subsequent encounter for fracture with nonunion
M80.869K	Other osteoporosis with current pathological fracture, unspecified lower leg, subsequent encounter for fracture with nonunion
M80.871K	Other osteoporosis with current pathological fracture, right ankle and foot, subsequent encounter for fracture with nonunion
M80.872K	Other osteoporosis with current pathological fracture, left ankle and foot, subsequent encounter for fracture with nonunion
M80.879K	Other osteoporosis with current pathological fracture, unspecified ankle and foot, subsequent encounter for fracture with nonunion
M84.311K	Stress fracture, right shoulder, subsequent encounter for fracture with nonunion
M84.312K	Stress fracture, left shoulder, subsequent encounter for fracture with nonunion
M84.319K	Stress fracture, unspecified shoulder, subsequent encounter for fracture with nonunion
M84.321K	Stress fracture, right humerus, subsequent encounter for fracture with nonunion
M84.322K	Stress fracture, left humerus, subsequent encounter for fracture with nonunion
M84.329K	Stress fracture, unspecified humerus, subsequent encounter for fracture with nonunion
M84.331K	Stress fracture, right ulna, subsequent encounter for fracture with nonunion
M84.332K	Stress fracture, left ulna, subsequent encounter for fracture with nonunion
M84.333K	Stress fracture, right radius, subsequent encounter for fracture with nonunion
M84.334K	Stress fracture, left radius, subsequent encounter for fracture with nonunion
M84.339K	Stress fracture, unspecified ulna and radius, subsequent encounter for fracture with nonunion
M84.341K	Stress fracture, right hand, subsequent encounter for fracture with nonunion
M84.342K	Stress fracture, left hand, subsequent encounter for fracture with nonunion
M84.343K	Stress fracture, unspecified hand, subsequent encounter for fracture with nonunion
M84.344K	Stress fracture, right finger(s), subsequent encounter for fracture with nonunion
M84.345K	Stress fracture, left finger(s), subsequent encounter for fracture with nonunion
M84.346K	Stress fracture, unspecified finger(s), subsequent encounter for fracture with nonunion
M84.350K	Stress fracture, pelvis, subsequent encounter for fracture with nonunion
M84.351K	Stress fracture, right femur, subsequent encounter for fracture with nonunion
M84.352K	Stress fracture, left femur, subsequent encounter for fracture with nonunion
M84.353K	Stress fracture, unspecified femur, subsequent encounter for fracture with nonunion
M84.359K	Stress fracture, hip, unspecified, subsequent encounter for fracture with nonunion
M84.361K	Stress fracture, right tibia, subsequent encounter for fracture with nonunion
M84.362K	Stress fracture, left tibia, subsequent encounter for fracture with nonunion
M84.363K	Stress fracture, right fibula, subsequent encounter for fracture with nonunion
M84.364K	Stress fracture, left fibula, subsequent encounter for fracture with nonunion
M84.369K	Stress fracture, unspecified tibia and fibula, subsequent encounter for fracture with nonunion

M84.371K	Stress fracture, right ankle, subsequent encounter for fracture with nonunion
M84.372K	Stress fracture, left ankle, subsequent encounter for fracture with nonunion
M84.373K	Stress fracture, unspecified ankle, subsequent encounter for fracture with nonunion
M84.374K	Stress fracture, right foot, subsequent encounter for fracture with nonunion
M84.375K	Stress fracture, left foot, subsequent encounter for fracture with nonunion
M84.376K	Stress fracture, unspecified foot, subsequent encounter for fracture with nonunion
M84.377K	Stress fracture, right toe(s), subsequent encounter for fracture with nonunion
M84.378K	Stress fracture, left toe(s), subsequent encounter for fracture with nonunion
M84.379K	Stress fracture, unspecified toe(s), subsequent encounter for fracture with nonunion
M84.411K	Pathological fracture, right shoulder, subsequent encounter for fracture with nonunion
M84.412K	Pathological fracture, left shoulder, subsequent encounter for fracture with nonunion
M84.419K	Pathological fracture, unspecified shoulder, subsequent encounter for fracture with nonunion
M84.421K	Pathological fracture, right humerus, subsequent encounter for fracture with nonunion
M84.422K	Pathological fracture, left humerus, subsequent encounter for fracture with nonunion
M84.429K	Pathological fracture, unspecified humerus, subsequent encounter for fracture with nonunion
M84.431K	Pathological fracture, right ulna, subsequent encounter for fracture with nonunion
M84.432K	Pathological fracture, left ulna, subsequent encounter for fracture with nonunion
M84.433K	Pathological fracture, right radius, subsequent encounter for fracture with nonunion
M84.434K	Pathological fracture, left radius, subsequent encounter for fracture with nonunion
M84.439K	Pathological fracture, unspecified ulna and radius, subsequent encounter for fracture with nonunion
M84.441K	Pathological fracture, right hand, subsequent encounter for fracture with nonunion
M84.442K	Pathological fracture, left hand, subsequent encounter for fracture with nonunion
M84.443K	Pathological fracture, unspecified hand, subsequent encounter for fracture with nonunion
M84.444K	Pathological fracture, right finger(s), subsequent encounter for fracture with nonunion
M84.445K	Pathological fracture, left finger(s), subsequent encounter for fracture with nonunion
M84.446K	Pathological fracture, unspecified finger(s), subsequent encounter for fracture with nonunion
M84.451K	Pathological fracture, right femur, subsequent encounter for fracture with nonunion
M84.452K	Pathological fracture, left femur, subsequent encounter for fracture with nonunion
M84.453K	Pathological fracture, unspecified femur, subsequent encounter for fracture with nonunion
M84.454K	Pathological fracture, pelvis, subsequent encounter for fracture with nonunion
M84.459K	Pathological fracture, hip, unspecified, subsequent encounter for fracture with nonunion
M84.461K	Pathological fracture, right tibia, subsequent encounter for fracture with nonunion
M84.462K	Pathological fracture, left tibia, subsequent encounter for fracture with nonunion
M84.463K	Pathological fracture, right fibula, subsequent encounter for fracture with nonunion
M84.464K	Pathological fracture, left fibula, subsequent encounter for fracture with nonunion
M84.469K	Pathological fracture, unspecified tibia and fibula, subsequent encounter for fracture with nonunion
M84.471K	Pathological fracture, right ankle, subsequent encounter for fracture with nonunion
M84.472K	Pathological fracture, left ankle, subsequent encounter for fracture with nonunion
M84.473K	Pathological fracture, unspecified ankle, subsequent encounter for fracture with nonunion
M84.474K	Pathological fracture, right foot, subsequent encounter for fracture with nonunion
M84.475K	Pathological fracture, left foot, subsequent encounter for fracture with nonunion
M84.476K	Pathological fracture, unspecified foot, subsequent encounter for fracture with nonunion
M84.477K	Pathological fracture, right toe(s), subsequent encounter for fracture with nonunion
M84.478K	Pathological fracture, left toe(s), subsequent encounter for fracture with nonunion
M84.479K	Pathological fracture, unspecified toe(s), subsequent encounter for fracture with nonunion
M84.511K	Pathological fracture in neoplastic disease, right shoulder, subsequent encounter for fracture with nonunion
M84.512K	Pathological fracture in neoplastic disease, left shoulder, subsequent encounter for fracture with nonunion
M84.519K	Pathological fracture in neoplastic disease, unspecified shoulder, subsequent encounter for fracture with nonunion
M84.521K	Pathological fracture in neoplastic disease, right humerus, subsequent encounter for fracture with nonunion
M84.522K	Pathological fracture in neoplastic disease, left humerus, subsequent encounter for fracture with nonunion
M84.529K	Pathological fracture in neoplastic disease, unspecified humerus, subsequent encounter for fracture with nonunion
M84.531K	Pathological fracture in neoplastic disease, right ulna, subsequent encounter for fracture with nonunion
M84.532K	Pathological fracture in neoplastic disease, left ulna, subsequent encounter for fracture with nonunion

M84.533K	Pathological fracture in neoplastic disease, right radius, subsequent encounter for fracture with nonunion
M84.534K	Pathological fracture in neoplastic disease, left radius, subsequent encounter for fracture with nonunion
M84.539K	Pathological fracture in neoplastic disease, unspecified ulna and radius, subsequent encounter for fracture with nonunion
M84.541K	Pathological fracture in neoplastic disease, right hand, subsequent encounter for fracture with nonunion
M84.542K	Pathological fracture in neoplastic disease, left hand, subsequent encounter for fracture with nonunion
M84.549K	Pathological fracture in neoplastic disease, unspecified hand, subsequent encounter for fracture with nonunion
M84.550K	Pathological fracture in neoplastic disease, pelvis, subsequent encounter for fracture with nonunion
M84.551K	Pathological fracture in neoplastic disease, right femur, subsequent encounter for fracture with nonunion
M84.552K	Pathological fracture in neoplastic disease, left femur, subsequent encounter for fracture with nonunion
M84.553K	Pathological fracture in neoplastic disease, unspecified femur, subsequent encounter for fracture with nonunion
M84.559K	Pathological fracture in neoplastic disease, hip, unspecified, subsequent encounter for fracture with nonunion
M84.561K	Pathological fracture in neoplastic disease, right tibia, subsequent encounter for fracture with nonunion
M84.562K	Pathological fracture in neoplastic disease, left tibia, subsequent encounter for fracture with nonunion
M84.563K	Pathological fracture in neoplastic disease, right fibula, subsequent encounter for fracture with nonunion
M84.564K	Pathological fracture in neoplastic disease, left fibula, subsequent encounter for fracture with nonunion
M84.569K	Pathological fracture in neoplastic disease, unspecified tibia and fibula, subsequent encounter for fracture with nonunion
M84.571K	Pathological fracture in neoplastic disease, right ankle, subsequent encounter for fracture with nonunion
M84.572K	Pathological fracture in neoplastic disease, left ankle, subsequent encounter for fracture with nonunion
M84.573K	Pathological fracture in neoplastic disease, unspecified ankle, subsequent encounter for fracture with nonunion
M84.574K	Pathological fracture in neoplastic disease, right foot, subsequent encounter for fracture with nonunion
M84.575K	Pathological fracture in neoplastic disease, left foot, subsequent encounter for fracture with nonunion
M84.576K	Pathological fracture in neoplastic disease, unspecified foot, subsequent encounter for fracture with nonunion
M84.611K	Pathological fracture in other disease, right shoulder, subsequent encounter for fracture with nonunion
M84.612K	Pathological fracture in other disease, left shoulder, subsequent encounter for fracture with nonunion
M84.619K	Pathological fracture in other disease, unspecified shoulder, subsequent encounter for fracture with nonunion
M84.621K	Pathological fracture in other disease, right humerus, subsequent encounter for fracture with nonunion
M84.622K	Pathological fracture in other disease, left humerus, subsequent encounter for fracture with nonunion
M84.629K	Pathological fracture in other disease, unspecified humerus, subsequent encounter for fracture with nonunion
M84.631K	Pathological fracture in other disease, right ulna, subsequent encounter for fracture with nonunion
M84.632K	Pathological fracture in other disease, left ulna, subsequent encounter for fracture with nonunion
M84.633K	Pathological fracture in other disease, right radius, subsequent encounter for fracture with nonunion
M84.634K	Pathological fracture in other disease, left radius, subsequent encounter for fracture with nonunion
M84.639K	Pathological fracture in other disease, unspecified ulna and radius, subsequent encounter for fracture with nonunion
M84.641K	Pathological fracture in other disease, right hand, subsequent encounter for fracture with nonunion
M84.642K	Pathological fracture in other disease, left hand, subsequent encounter for fracture with nonunion
M84.649K	Pathological fracture in other disease, unspecified hand, subsequent encounter for fracture with nonunion
M84.650K	Pathological fracture in other disease, pelvis, subsequent encounter for fracture with nonunion
M84.651K	Pathological fracture in other disease, right femur, subsequent encounter for fracture with nonunion
M84.652K	Pathological fracture in other disease, left femur, subsequent encounter for fracture with nonunion
M84.653K	Pathological fracture in other disease, unspecified femur, subsequent encounter for fracture with nonunion
M84.659K	Pathological fracture in other disease, hip, unspecified, subsequent encounter for fracture with nonunion
M84.661K	Pathological fracture in other disease, right tibia, subsequent encounter for fracture with nonunion
M84.662K	Pathological fracture in other disease, left tibia, subsequent encounter for fracture with nonunion
M84.663K	Pathological fracture in other disease, right fibula, subsequent encounter for fracture with nonunion
M84.664K	Pathological fracture in other disease, left fibula, subsequent encounter for fracture with nonunion



M84.669K	Pathological fracture in other disease, unspecified tibia and fibula, subsequent encounter for fracture with nonunion
M84.671K	Pathological fracture in other disease, right ankle, subsequent encounter for fracture with nonunion
M84.672K	Pathological fracture in other disease, left ankle, subsequent encounter for fracture with nonunion
M84.673K	Pathological fracture in other disease, unspecified ankle, subsequent encounter for fracture with nonunion
M84.674K	Pathological fracture in other disease, right foot, subsequent encounter for fracture with nonunion
M84.675K	Pathological fracture in other disease, left foot, subsequent encounter for fracture with nonunion
M84.676K	Pathological fracture in other disease, unspecified foot, subsequent encounter for fracture with nonunion
M84.750G	Atypical femoral fracture, unspecified, subsequent encounter for fracture with delayed healing
M84.750K	Atypical femoral fracture, unspecified, subsequent encounter for fracture with nonunion
M84.750P	Atypical femoral fracture, unspecified, subsequent encounter for fracture with malunion
M84.751G	Incomplete atypical femoral fracture, right leg, subsequent encounter for fracture with delayed healing
M84.751K	Incomplete atypical femoral fracture, right leg, subsequent encounter for fracture with nonunion
M84.751P	Incomplete atypical femoral fracture, right leg, subsequent encounter for fracture with malunion
M84.752G	Incomplete atypical femoral fracture, left leg, subsequent encounter for fracture with delayed healing
M84.752K	Incomplete atypical femoral fracture, left leg, subsequent encounter for fracture with nonunion
M84.752P	Incomplete atypical femoral fracture, left leg, subsequent encounter for fracture with malunion
M84.753G	Incomplete atypical femoral fracture, unspecified leg, subsequent encounter for fracture with delayed healing
M84.753K	Incomplete atypical femoral fracture, unspecified leg, subsequent encounter for fracture with nonunion
M84.753P	Incomplete atypical femoral fracture, unspecified leg, subsequent encounter for fracture with malunion
M84.754G	Complete transverse atypical femoral fracture, right leg, subsequent encounter for fracture with delayed healing
M84.754K	Complete transverse atypical femoral fracture, right leg, subsequent encounter for fracture with nonunion
M84.754P	Complete transverse atypical femoral fracture, right leg, subsequent encounter for fracture with malunion
M84.755G	Complete transverse atypical femoral fracture, left leg, subsequent encounter for fracture with delayed healing
M84.755K	Complete transverse atypical femoral fracture, left leg, subsequent encounter for fracture with nonunion
M84.755P	Complete transverse atypical femoral fracture, left leg, subsequent encounter for fracture with malunion
M84.756G	Complete transverse atypical femoral fracture, unspecified leg, subsequent encounter for fracture with delayed healing
M84.756K	Complete transverse atypical femoral fracture, unspecified leg, subsequent encounter for fracture with nonunion
M84.756P	Complete transverse atypical femoral fracture, unspecified leg, subsequent encounter for fracture with malunion
M84.757G	Complete oblique atypical femoral fracture, right leg, subsequent encounter for fracture with delayed healing
M84.757K	Complete oblique atypical femoral fracture, right leg, subsequent encounter for fracture with nonunion
M84.757P	Complete oblique atypical femoral fracture, right leg, subsequent encounter for fracture with malunion
M84.758G	Complete oblique atypical femoral fracture, left leg, subsequent encounter for fracture with delayed healing
M84.758K	Complete oblique atypical femoral fracture, left leg, subsequent encounter for fracture with nonunion
M84.758P	Complete oblique atypical femoral fracture, left leg, subsequent encounter for fracture with malunion
M84.759G	Complete oblique atypical femoral fracture, unspecified leg, subsequent encounter for fracture with delayed healing
M84.759K	Complete oblique atypical femoral fracture, unspecified leg, subsequent encounter for fracture with nonunion
M84.759P	Complete oblique atypical femoral fracture, unspecified leg, subsequent encounter for fracture with malunion
Q74.0	Other congenital malformations of upper limb (s), including shoulder girdle
Q74.1	Congenital malformation of knee
Q74.2	Other congenital malformations of lower limb(s), including pelvic girdle
Q74.3	Arthrogryposis multiplex congenita
Q74.8	Other specified congenital malformations of limb(s)
Q74.9	Unspecified congenital malformations of limb(s)
S42.001K	Fracture of unspecified part of right clavicle, subsequent encounter for fracture with nonunion
S42.002K	Fracture of unspecified part of left clavicle, subsequent encounter for fracture with nonunion

S42.009K	Fracture of unspecified part of unspecified clavicle, subsequent encounter for fracture with nonunion
S42.011K	Anterior displaced fracture of sternal end of right clavicle, subsequent encounter for fracture with nonunion
S42.012K	Anterior displaced fracture of sternal end of left clavicle, subsequent encounter for fracture with nonunion
S42.013K	Anterior displaced fracture of sternal end of unspecified clavicle, subsequent encounter for fracture with nonunion
S42.014K	Posterior displaced fracture of sternal end of right clavicle, subsequent encounter for fracture with nonunion
S42.015K	Posterior displaced fracture of sternal end of left clavicle, subsequent encounter for fracture with nonunion
S42.016K	Posterior displaced fracture of sternal end of unspecified clavicle, subsequent encounter for fracture with nonunion
S42.017K	Nondisplaced fracture of sternal end of right clavicle, subsequent encounter for fracture with nonunion
S42.018K	Nondisplaced fracture of sternal end of left clavicle, subsequent encounter for fracture with nonunion
S42.019K	Nondisplaced fracture of sternal end of unspecified clavicle, subsequent encounter for fracture with nonunion
S42.021K	Displaced fracture of shaft of right clavicle, subsequent encounter for fracture with nonunion
S42.022K	Displaced fracture of shaft of left clavicle, subsequent encounter for fracture with nonunion
S42.023K	Displaced fracture of shaft of unspecified clavicle, subsequent encounter for fracture with nonunion
S42.024K	Nondisplaced fracture of shaft of right clavicle, subsequent encounter for fracture with nonunion
S42.025K	Nondisplaced fracture of shaft of left clavicle, subsequent encounter for fracture with nonunion
S42.026K	Nondisplaced fracture of shaft of unspecified clavicle, subsequent encounter for fracture with nonunion
S42.031K	Displaced fracture of lateral end of right clavicle, subsequent encounter for fracture with nonunion
S42.032K	Displaced fracture of lateral end of left clavicle, subsequent encounter for fracture with nonunion
S42.033K	Displaced fracture of lateral end of unspecified clavicle, subsequent encounter for fracture with nonunion
S42.034K	Nondisplaced fracture of lateral end of right clavicle, subsequent encounter for fracture with nonunion
S42.035K	Nondisplaced fracture of lateral end of left clavicle, subsequent encounter for fracture with nonunion
S42.036K	Nondisplaced fracture of lateral end of unspecified clavicle, subsequent encounter for fracture with nonunion
S42.101K	Fracture of unspecified part of scapula, right shoulder, subsequent encounter for fracture with nonunion
S42.102K	Fracture of unspecified part of scapula, left shoulder, subsequent encounter for fracture with nonunion
S42.109K	Fracture of unspecified part of scapula, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.111K	Displaced fracture of body of scapula, right shoulder, subsequent encounter for fracture with nonunion
S42.112K	Displaced fracture of body of scapula, left shoulder, subsequent encounter for fracture with nonunion
S42.113K	Displaced fracture of body of scapula, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.114K	Nondisplaced fracture of body of scapula, right shoulder, subsequent encounter for fracture with nonunion
S42.115K	Nondisplaced fracture of body of scapula, left shoulder, subsequent encounter for fracture with nonunion
S42.116K	Nondisplaced fracture of body of scapula, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.121K	Displaced fracture of acromial process, right shoulder, subsequent encounter for fracture with nonunion
S42.122K	Displaced fracture of acromial process, left shoulder, subsequent encounter for fracture with nonunion
S42.123K	Displaced fracture of acromial process, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.124K	Nondisplaced fracture of acromial process, right shoulder, subsequent encounter for fracture with nonunion
S42.125K	Nondisplaced fracture of acromial process, left shoulder, subsequent encounter for fracture with nonunion
S42.126K	Nondisplaced fracture of acromial process, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.131K	Displaced fracture of coracoid process, right shoulder, subsequent encounter for fracture with nonunion
S42.132K	Displaced fracture of coracoid process, left shoulder, subsequent encounter for fracture with nonunion
S42.133K	Displaced fracture of coracoid process, unspecified shoulder, subsequent encounter for fracture with nonunion

S42.134K	Nondisplaced fracture of coracoid process, right shoulder, subsequent encounter for fracture with nonunion
S42.135K	Nondisplaced fracture of coracoid process, left shoulder, subsequent encounter for fracture with nonunion
S42.136K	Nondisplaced fracture of coracoid process, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.141K	Displaced fracture of glenoid cavity of scapula, right shoulder, subsequent encounter for fracture with nonunion
S42.142K	Displaced fracture of glenoid cavity of scapula, left shoulder, subsequent encounter for fracture with nonunion
S42.143K	Displaced fracture of glenoid cavity of scapula, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.144K	Nondisplaced fracture of glenoid cavity of scapula, right shoulder, subsequent encounter for fracture with nonunion
S42.145K	Nondisplaced fracture of glenoid cavity of scapula, left shoulder, subsequent encounter for fracture with nonunion
S42.146K	Nondisplaced fracture of glenoid cavity of scapula, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.151K	Displaced fracture of neck of scapula, right shoulder, subsequent encounter for fracture with nonunion
S42.152K	Displaced fracture of neck of scapula, left shoulder, subsequent encounter for fracture with nonunion
S42.153K	Displaced fracture of neck of scapula, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.154K	Nondisplaced fracture of neck of scapula, right shoulder, subsequent encounter for fracture with nonunion
S42.155K	Nondisplaced fracture of neck of scapula, left shoulder, subsequent encounter for fracture with nonunion
S42.156K	Nondisplaced fracture of neck of scapula, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.191K	Fracture of other part of scapula, right shoulder, subsequent encounter for fracture with nonunion
S42.192K	Fracture of other part of scapula, left shoulder, subsequent encounter for fracture with nonunion
S42.199K	Fracture of other part of scapula, unspecified shoulder, subsequent encounter for fracture with nonunion
S42.201K	Unspecified fracture of upper end of right humerus, subsequent encounter for fracture with nonunion
S42.202K	Unspecified fracture of upper end of left humerus, subsequent encounter for fracture with nonunion
S42.209K	Unspecified fracture of upper end of unspecified humerus, subsequent encounter for fracture with nonunion
S42.211K	Unspecified displaced fracture of surgical neck of right humerus, subsequent encounter for fracture with nonunion
S42.212K	Unspecified displaced fracture of surgical neck of left humerus, subsequent encounter for fracture with nonunion
S42.213K	Unspecified displaced fracture of surgical neck of unspecified humerus, subsequent encounter for fracture with nonunion
S42.214K	Unspecified nondisplaced fracture of surgical neck of right humerus, subsequent encounter for fracture with nonunion
S42.215K	Unspecified nondisplaced fracture of surgical neck of left humerus, subsequent encounter for fracture with nonunion
S42.216K	Unspecified nondisplaced fracture of surgical neck of unspecified humerus, subsequent encounter for fracture with nonunion
S42.221K	2-part displaced fracture of surgical neck of right humerus, subsequent encounter for fracture with nonunion
S42.222K	2-part displaced fracture of surgical neck of left humerus, subsequent encounter for fracture with nonunion
S42.223K	2-part displaced fracture of surgical neck of unspecified humerus, subsequent encounter for fracture with nonunion
S42.224K	2-part nondisplaced fracture of surgical neck of right humerus, subsequent encounter for fracture with nonunion
S42.225K	2-part nondisplaced fracture of surgical neck of left humerus, subsequent encounter for fracture with nonunion
S42.226K	2-part nondisplaced fracture of surgical neck of unspecified humerus, subsequent encounter for fracture with nonunion
S42.231K	3-part fracture of surgical neck of right humerus, subsequent encounter for fracture with nonunion

S42.232K	3-part fracture of surgical neck of left humerus, subsequent encounter for fracture with nonunion
S42.239K	3-part fracture of surgical neck of unspecified humerus, subsequent encounter for fracture with nonunion
S42.241K	4-part fracture of surgical neck of right humerus, subsequent encounter for fracture with nonunion
S42.242K	4-part fracture of surgical neck of left humerus, subsequent encounter for fracture with nonunion
S42.249K	4-part fracture of surgical neck of unspecified humerus, subsequent encounter for fracture with nonunion
S42.251K	Displaced fracture of greater tuberosity of right humerus, subsequent encounter for fracture with nonunion
S42.252K	Displaced fracture of greater tuberosity of left humerus, subsequent encounter for fracture with nonunion
S42.253K	Displaced fracture of greater tuberosity of unspecified humerus, subsequent encounter for fracture with nonunion
S42.254K	Nondisplaced fracture of greater tuberosity of right humerus, subsequent encounter for fracture with nonunion
S42.255K	Nondisplaced fracture of greater tuberosity of left humerus, subsequent encounter for fracture with nonunion
S42.256K	Nondisplaced fracture of greater tuberosity of unspecified humerus, subsequent encounter for fracture with nonunion
S42.261K	Displaced fracture of lesser tuberosity of right humerus, subsequent encounter for fracture with nonunion
S42.262K	Displaced fracture of lesser tuberosity of left humerus, subsequent encounter for fracture with nonunion
S42.263K	Displaced fracture of lesser tuberosity of unspecified humerus, subsequent encounter for fracture with nonunion
S42.264K	Nondisplaced fracture of lesser tuberosity of right humerus, subsequent encounter for fracture with nonunion
S42.265K	Nondisplaced fracture of lesser tuberosity of left humerus, subsequent encounter for fracture with nonunion
S42.266K	Nondisplaced fracture of lesser tuberosity of unspecified humerus, subsequent encounter for fracture with nonunion
S42.271K	Torus fracture of upper end of right humerus, subsequent encounter for fracture with nonunion
S42.272K	Torus fracture of upper end of left humerus, subsequent encounter for fracture with nonunion
S42.279K	Torus fracture of upper end of unspecified humerus, subsequent encounter for fracture with nonunion
S42.291K	Other displaced fracture of upper end of right humerus, subsequent encounter for fracture with nonunion
S42.292K	Other displaced fracture of upper end of left humerus, subsequent encounter for fracture with nonunion
S42.293K	Other displaced fracture of upper end of unspecified humerus, subsequent encounter for fracture with nonunion
S42.294K	Other nondisplaced fracture of upper end of right humerus, subsequent encounter for fracture with nonunion
S42.295K	Other nondisplaced fracture of upper end of left humerus, subsequent encounter for fracture with nonunion
S42.296K	Other nondisplaced fracture of upper end of unspecified humerus, subsequent encounter for fracture with nonunion
S42.301K	Unspecified fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.302K	Unspecified fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.309K	Unspecified fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.311K	Greenstick fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.312K	Greenstick fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.319K	Greenstick fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.321K	Displaced transverse fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.322K	Displaced transverse fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.323K	Displaced transverse fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.324K	Nondisplaced transverse fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.325K	Nondisplaced transverse fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion

S42.326K	Nondisplaced transverse fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.331K	Displaced oblique fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.332K	Displaced oblique fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.333K	Displaced oblique fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.334K	Nondisplaced oblique fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.335K	Nondisplaced oblique fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.336K	Nondisplaced oblique fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.341K	Displaced spiral fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.342K	Displaced spiral fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.343K	Displaced spiral fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.344K	Nondisplaced spiral fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.345K	Nondisplaced spiral fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.346K	Nondisplaced spiral fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.351K	Displaced comminuted fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.352K	Displaced comminuted fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.353K	Displaced comminuted fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.354K	Nondisplaced comminuted fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.355K	Nondisplaced comminuted fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.356K	Nondisplaced comminuted fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.361K	Displaced segmental fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.362K	Displaced segmental fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.363K	Displaced segmental fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.364K	Nondisplaced segmental fracture of shaft of humerus, right arm, subsequent encounter for fracture with nonunion
S42.365K	Nondisplaced segmental fracture of shaft of humerus, left arm, subsequent encounter for fracture with nonunion
S42.366K	Nondisplaced segmental fracture of shaft of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S42.391K	Other fracture of shaft of right humerus, subsequent encounter for fracture with nonunion
S42.392K	Other fracture of shaft of left humerus, subsequent encounter for fracture with nonunion
S42.399K	Other fracture of shaft of unspecified humerus, subsequent encounter for fracture with nonunion
S42.401K	Unspecified fracture of lower end of right humerus, subsequent encounter for fracture with nonunion
S42.402K	Unspecified fracture of lower end of left humerus, subsequent encounter for fracture with nonunion
S42.409K	Unspecified fracture of lower end of unspecified humerus, subsequent encounter for fracture with nonunion
S42.411K	Displaced simple supracondylar fracture without intercondylar fracture of right humerus, subsequent encounter for fracture with nonunion
S42.412K	Displaced simple supracondylar fracture without intercondylar fracture of left humerus, subsequent encounter for fracture with nonunion

S42.413K	Displaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, subsequent encounter for fracture with nonunion
S42.414K	Nondisplaced simple supracondylar fracture without intercondylar fracture of right humerus, subsequent encounter for fracture with nonunion
S42.415K	Nondisplaced simple supracondylar fracture without intercondylar fracture of left humerus, subsequent encounter for fracture with nonunion
S42.416K	Nondisplaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, subsequent encounter for fracture with nonunion
S42.421K	Displaced comminuted supracondylar fracture without intercondylar fracture of right humerus, subsequent encounter for fracture with nonunion
S42.422K	Displaced comminuted supracondylar fracture without intercondylar fracture of left humerus, subsequent encounter for fracture with nonunion
S42.423K	Displaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, subsequent encounter for fracture with nonunion
S42.424K	Nondisplaced comminuted supracondylar fracture without intercondylar fracture of right humerus, subsequent encounter for fracture with nonunion
S42.425K	Nondisplaced comminuted supracondylar fracture without intercondylar fracture of left humerus, subsequent encounter for fracture with nonunion
S42.426K	Nondisplaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, subsequent encounter for fracture with nonunion
S42.431K	Displaced fracture (avulsion) of lateral epicondyle of right humerus, subsequent encounter for fracture with nonunion
S42.432K	Displaced fracture (avulsion) of lateral epicondyle of left humerus, subsequent encounter for fracture with nonunion
S42.433K	Displaced fracture (avulsion) of lateral epicondyle of unspecified humerus, subsequent encounter for fracture with nonunion
S42.434K	Nondisplaced fracture (avulsion) of lateral epicondyle of right humerus, subsequent encounter for fracture with nonunion
S42.435K	Nondisplaced fracture (avulsion) of lateral epicondyle of left humerus, subsequent encounter for fracture with nonunion
S42.436K	Nondisplaced fracture (avulsion) of lateral epicondyle of unspecified humerus, subsequent encounter for fracture with nonunion
S42.441K	Displaced fracture (avulsion) of medial epicondyle of right humerus, subsequent encounter for fracture with nonunion
S42.442K	Displaced fracture (avulsion) of medial epicondyle of left humerus, subsequent encounter for fracture with nonunion
S42.443K	Displaced fracture (avulsion) of medial epicondyle of unspecified humerus, subsequent encounter for fracture with nonunion
S42.444K	Nondisplaced fracture (avulsion) of medial epicondyle of right humerus, subsequent encounter for fracture with nonunion
S42.445K	Nondisplaced fracture (avulsion) of medial epicondyle of left humerus, subsequent encounter for fracture with nonunion
S42.446K	Nondisplaced fracture (avulsion) of medial epicondyle of unspecified humerus, subsequent encounter for fracture with nonunion
S42.447K	Incarcerated fracture (avulsion) of medial epicondyle of right humerus, subsequent encounter for fracture with nonunion
S42.448K	Incarcerated fracture (avulsion) of medial epicondyle of left humerus, subsequent encounter for fracture with nonunion
S42.449K	Incarcerated fracture (avulsion) of medial epicondyle of unspecified humerus, subsequent encounter for fracture with nonunion
S42.451K	Displaced fracture of lateral condyle of right humerus, subsequent encounter for fracture with nonunion
S42.452K	Displaced fracture of lateral condyle of left humerus, subsequent encounter for fracture with nonunion
S42.453K	Displaced fracture of lateral condyle of unspecified humerus, subsequent encounter for fracture with nonunion
S42.454K	Nondisplaced fracture of lateral condyle of right humerus, subsequent encounter for fracture with nonunion
S42.455K	Nondisplaced fracture of lateral condyle of left humerus, subsequent encounter for fracture with nonunion

S42.456K	Nondisplaced fracture of lateral condyle of unspecified humerus, subsequent encounter for fracture with nonunion
S42.461K	Displaced fracture of medial condyle of right humerus, subsequent encounter for fracture with nonunion
S42.462K	Displaced fracture of medial condyle of left humerus, subsequent encounter for fracture with nonunion
S42.463K	Displaced fracture of medial condyle of unspecified humerus, subsequent encounter for fracture with nonunion
S42.464K	Nondisplaced fracture of medial condyle of right humerus, subsequent encounter for fracture with nonunion
S42.465K	Nondisplaced fracture of medial condyle of left humerus, subsequent encounter for fracture with nonunion
S42.466K	Nondisplaced fracture of medial condyle of unspecified humerus, subsequent encounter for fracture with nonunion
S42.471K	Displaced transcondylar fracture of right humerus, subsequent encounter for fracture with nonunion
S42.472K	Displaced transcondylar fracture of left humerus, subsequent encounter for fracture with nonunion
S42.473K	Displaced transcondylar fracture of unspecified humerus, subsequent encounter for fracture with nonunion
S42.474K	Nondisplaced transcondylar fracture of right humerus, subsequent encounter for fracture with nonunion
S42.475K	Nondisplaced transcondylar fracture of left humerus, subsequent encounter for fracture with nonunion
S42.476K	Nondisplaced transcondylar fracture of unspecified humerus, subsequent encounter for fracture with nonunion
S42.481K	Torus fracture of lower end of right humerus, subsequent encounter for fracture with nonunion
S42.482K	Torus fracture of lower end of left humerus, subsequent encounter for fracture with nonunion
S42.489K	Torus fracture of lower end of unspecified humerus, subsequent encounter for fracture with nonunion
S42.491K	Other displaced fracture of lower end of right humerus, subsequent encounter for fracture with nonunion
S42.492K	Other displaced fracture of lower end of left humerus, subsequent encounter for fracture with nonunion
S42.493K	Other displaced fracture of lower end of unspecified humerus, subsequent encounter for fracture with nonunion
S42.494K	Other nondisplaced fracture of lower end of right humerus, subsequent encounter for fracture with nonunion
S42.495K	Other nondisplaced fracture of lower end of left humerus, subsequent encounter for fracture with nonunion
S42.496K	Other nondisplaced fracture of lower end of unspecified humerus, subsequent encounter for fracture with nonunion
S42.90XK	Fracture of unspecified shoulder girdle, part unspecified, subsequent encounter for fracture with nonunion
S42.91XK	Fracture of right shoulder girdle, part unspecified, subsequent encounter for fracture with nonunion
S42.92XK	Fracture of left shoulder girdle, part unspecified, subsequent encounter for fracture with nonunion
S49.001K	Unspecified physeal fracture of upper end of humerus, right arm, subsequent encounter for fracture with nonunion
S49.002K	Unspecified physeal fracture of upper end of humerus, left arm, subsequent encounter for fracture with nonunion
S49.009K	Unspecified physeal fracture of upper end of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S49.011K	Salter-Harris type I physeal fracture of upper end of humerus, right arm, subsequent encounter for fracture with nonunion
S49.012K	Salter-Harris type I physeal fracture of upper end of humerus, left arm, subsequent encounter for fracture with nonunion
S49.019K	Salter-Harris type I physeal fracture of upper end of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S49.021K	Salter-Harris type ii physeal fracture of upper end of humerus, right arm, subsequent encounter for fracture with nonunion
S49.022K	Salter-Harris type ii physeal fracture of upper end of humerus, left arm, subsequent encounter for fracture with nonunion
S49.029K	Salter-Harris type ii physeal fracture of upper end of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S49.031K	Salter-Harris type iii physeal fracture of upper end of humerus right arm subsequent encounter for fracture with nonunion

S49.032K	Salter-Harris type iii physeal fracture of upper end of humerus left arm subsequent encounter for fracture with nonunion
S49.039K	Salter-Harris type iii physeal fracture of upper end of humerus unspecified arm subsequent encounter for fracture with nonunion
S49.041K	Salter-Harris type iv physeal fracture of upper end of humerus, right arm, subsequent encounter for fracture with nonunion
S49.042K	Salter-Harris type iv physeal fracture of upper end of humerus, left arm, subsequent encounter for fracture with nonunion
S49.049K	Salter-Harris type iv physeal fracture of upper end of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S49.091K	Other physeal fracture of upper end of humerus, right arm, subsequent encounter for fracture with nonunion
S49.092K	Other physeal fracture of upper end of humerus, left arm, subsequent encounter for fracture with nonunion
S49.099K	Other physeal fracture of upper end of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S49.101K	Unspecified physeal fracture of lower end of humerus, right arm, subsequent encounter for fracture with nonunion
S49.102K	Unspecified physeal fracture of lower end of humerus, left arm, subsequent encounter for fracture with nonunion
S49.109K	Unspecified physeal fracture of lower end of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S49.111K	Salter-Harris type I physeal fracture of lower end of humerus, right arm, subsequent encounter for fracture with nonunion
S49.112K	Salter-Harris type I physeal fracture of lower end of humerus, left arm, subsequent encounter for fracture with nonunion
S49.119K	Salter-Harris type I physeal fracture of lower end of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S49.121K	Salter-Harris type ii physeal fracture of lower end of humerus, right arm, subsequent encounter for fracture with nonunion
S49.122K	Salter-Harris type ii physeal fracture of lower end of humerus, left arm, subsequent encounter for fracture with nonunion
S49.129K	Salter-Harris type ii physeal fracture of lower end of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S49.131K	Salter-Harris type iii physeal fracture of lower end of humerus right arm subsequent encounter for fracture with nonunion
S49.132K	Salter-Harris type iii physeal fracture of lower end of humerus left arm subsequent encounter for fracture with nonunion
S49.139K	Salter-Harris type iii physeal fracture of lower end of humerus unspecified arm subsequent encounter for fracture with nonunion
S49.141K	Salter-Harris type iv physeal fracture of lower end of humerus, right arm, subsequent encounter for fracture with nonunion
S49.142K	Salter-Harris type iv physeal fracture of lower end of humerus, left arm, subsequent encounter for fracture with nonunion
S49.149K	Salter-Harris type iv physeal fracture of lower end of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S49.191K	Other physeal fracture of lower end of humerus, right arm, subsequent encounter for fracture with nonunion
S49.192K	Other physeal fracture of lower end of humerus, left arm, subsequent encounter for fracture with nonunion
S49.199K	Other physeal fracture of lower end of humerus, unspecified arm, subsequent encounter for fracture with nonunion
S52.001K	Unspecified fracture of upper end of right ulna, subsequent encounter for closed fracture with nonunion
S52.001M	Unspecified fracture of upper end of right ulna, subsequent encounter for open fracture type I or II with nonunion
S52.001N	Unspecified fracture of upper end of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.002K	Unspecified fracture of upper end of left ulna, subsequent encounter for closed fracture with nonunion



S52.002M	Unspecified fracture of upper end of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.002N	Unspecified fracture of upper end of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.009K	Unspecified fracture of upper end of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.009M	Unspecified fracture of upper end of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.009N	Unspecified fracture of upper end of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.011K	Torus fracture of upper end of right ulna, subsequent encounter for fracture with nonunion
S52.012K	Torus fracture of upper end of left ulna, subsequent encounter for fracture with nonunion
S52.019K	Torus fracture of upper end of unspecified ulna, subsequent encounter for fracture with nonunion
S52.021K	Displaced fracture of olecranon process without intraarticular extension of right ulna, subsequent encounter for closed fracture with nonunion
S52.021M	Displaced fracture of olecranon process without intraarticular extension of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.021N	Displaced fracture of olecranon process without intraarticular extension of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.022K	Displaced fracture of olecranon process without intraarticular extension of left ulna, subsequent encounter for closed fracture with nonunion
S52.022M	Displaced fracture of olecranon process without intraarticular extension of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.022N	Displaced fracture of olecranon process without intraarticular extension of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.023K	Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.023M	Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.023N	Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.024K	Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, subsequent encounter for closed fracture with nonunion
S52.024M	Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.024N	Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.025K	Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, subsequent encounter for closed fracture with nonunion
S52.025M	Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.025N	Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.026K	Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.026M	Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.026N	Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.031K	Displaced fracture of olecranon process with intraarticular extension of right ulna, subsequent encounter for closed fracture with nonunion
S52.031M	Displaced fracture of olecranon process with intraarticular extension of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.031N	Displaced fracture of olecranon process with intraarticular extension of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.032K	Displaced fracture of olecranon process with intraarticular extension of left ulna, subsequent encounter for closed fracture with nonunion

S52.032M	Displaced fracture of olecranon process with intraarticular extension of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.032N	Displaced fracture of olecranon process with intraarticular extension of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.033K	Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.033M	Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.033N	Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.034K	Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, subsequent encounter for closed fracture with nonunion
S52.034M	Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.034N	Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.035K	Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, subsequent encounter for closed fracture with nonunion
S52.035M	Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.035N	Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.036K	Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.036M	Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.036N	Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.041K	Displaced fracture of coronoid process of right ulna, subsequent encounter for closed fracture with nonunion
S52.041M	Displaced fracture of coronoid process of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.041N	Displaced fracture of coronoid process of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.042K	Displaced fracture of coronoid process of left ulna, subsequent encounter for closed fracture with nonunion
S52.042M	Displaced fracture of coronoid process of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.042N	Displaced fracture of coronoid process of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.043K	Displaced fracture of coronoid process of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.043M	Displaced fracture of coronoid process of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.043N	Displaced fracture of coronoid process of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.044K	Nondisplaced fracture of coronoid process of right ulna, subsequent encounter for closed fracture with nonunion
S52.044M	Nondisplaced fracture of coronoid process of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.044N	Nondisplaced fracture of coronoid process of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.045K	Nondisplaced fracture of coronoid process of left ulna, subsequent encounter for closed fracture with nonunion
S52.045M	Nondisplaced fracture of coronoid process of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.045N	Nondisplaced fracture of coronoid process of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion

S52.046K	Nondisplaced fracture of coronoid process of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.046M	Nondisplaced fracture of coronoid process of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.046N	Nondisplaced fracture of coronoid process of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.091K	Other fracture of upper end of right ulna, subsequent encounter for closed fracture with nonunion
S52.091M	Other fracture of upper end of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.091N	Other fracture of upper end of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.092K	Other fracture of upper end of left ulna, subsequent encounter for closed fracture with nonunion
S52.092M	Other fracture of upper end of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.092N	Other fracture of upper end of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.099K	Other fracture of upper end of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.099M	Other fracture of upper end of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.099N	Other fracture of upper end of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.101K	Unspecified fracture of upper end of right radius, subsequent encounter for closed fracture with nonunion
S52.101M	Unspecified fracture of upper end of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.101N	Unspecified fracture of upper end of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.102K	Unspecified fracture of upper end of left radius, subsequent encounter for closed fracture with nonunion
S52.102M	Unspecified fracture of upper end of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.102N	Unspecified fracture of upper end of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.109K	Unspecified fracture of upper end of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.109M	Unspecified fracture of upper end of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.109N	Unspecified fracture of upper end of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.111K	Torus fracture of upper end of right radius, subsequent encounter for fracture with nonunion
S52.112K	Torus fracture of upper end of left radius, subsequent encounter for fracture with nonunion
S52.119K	Torus fracture of upper end of unspecified radius, subsequent encounter for fracture with nonunion
S52.121K	Displaced fracture of head of right radius, subsequent encounter for closed fracture with nonunion
S52.121M	Displaced fracture of head of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.121N	Displaced fracture of head of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.122K	Displaced fracture of head of left radius, subsequent encounter for closed fracture with nonunion
S52.122M	Displaced fracture of head of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.122N	Displaced fracture of head of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.123K	Displaced fracture of head of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.123M	Displaced fracture of head of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.123N	Displaced fracture of head of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.124K	Nondisplaced fracture of head of right radius, subsequent encounter for closed fracture with nonunion
S52.124M	Nondisplaced fracture of head of right radius, subsequent encounter for open fracture type I or ii with nonunion

S52.124N	Nondisplaced fracture of head of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.125K	Nondisplaced fracture of head of left radius, subsequent encounter for closed fracture with nonunion
S52.125M	Nondisplaced fracture of head of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.125N	Nondisplaced fracture of head of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.126K	Nondisplaced fracture of head of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.126M	Nondisplaced fracture of head of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.126N	Nondisplaced fracture of head of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.131K	Displaced fracture of neck of right radius, subsequent encounter for closed fracture with nonunion
S52.131M	Displaced fracture of neck of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.131N	Displaced fracture of neck of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.132K	Displaced fracture of neck of left radius, subsequent encounter for closed fracture with nonunion
S52.132M	Displaced fracture of neck of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.132N	Displaced fracture of neck of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.133K	Displaced fracture of neck of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.133M	Displaced fracture of neck of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.133N	Displaced fracture of neck of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.134K	Nondisplaced fracture of neck of right radius, subsequent encounter for closed fracture with nonunion
S52.134M	Nondisplaced fracture of neck of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.134N	Nondisplaced fracture of neck of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.135K	Nondisplaced fracture of neck of left radius, subsequent encounter for closed fracture with nonunion
S52.135M	Nondisplaced fracture of neck of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.135N	Nondisplaced fracture of neck of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.136K	Nondisplaced fracture of neck of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.136M	Nondisplaced fracture of neck of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.136N	Nondisplaced fracture of neck of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.181K	Other fracture of upper end of right radius, subsequent encounter for closed fracture with nonunion
S52.181M	Other fracture of upper end of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.181N	Other fracture of upper end of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.182K	Other fracture of upper end of left radius, subsequent encounter for closed fracture with nonunion
S52.182M	Other fracture of upper end of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.182N	Other fracture of upper end of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.189K	Other fracture of upper end of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.189M	Other fracture of upper end of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.189N	Other fracture of upper end of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion

S52.201K	Unspecified fracture of shaft of right ulna, subsequent encounter for closed fracture with nonunion
S52.201M	Unspecified fracture of shaft of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.201N	Unspecified fracture of shaft of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.202K	Unspecified fracture of shaft of left ulna, subsequent encounter for closed fracture with nonunion
S52.202M	Unspecified fracture of shaft of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.202N	Unspecified fracture of shaft of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.209K	Unspecified fracture of shaft of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.209M	Unspecified fracture of shaft of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.209N	Unspecified fracture of shaft of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.211K	Greenstick fracture of shaft of right ulna, subsequent encounter for fracture with nonunion
S52.212K	Greenstick fracture of shaft of left ulna, subsequent encounter for fracture with nonunion
S52.219K	Greenstick fracture of shaft of unspecified ulna, subsequent encounter for fracture with nonunion
S52.221K	Displaced transverse fracture of shaft of right ulna, subsequent encounter for closed fracture with nonunion
S52.221M	Displaced transverse fracture of shaft of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.221N	Displaced transverse fracture of shaft of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.222K	Displaced transverse fracture of shaft of left ulna, subsequent encounter for closed fracture with nonunion
S52.222M	Displaced transverse fracture of shaft of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.222N	Displaced transverse fracture of shaft of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.223K	Displaced transverse fracture of shaft of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.223M	Displaced transverse fracture of shaft of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.223N	Displaced transverse fracture of shaft of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.224K	Nondisplaced transverse fracture of shaft of right ulna, subsequent encounter for closed fracture with nonunion
S52.224M	Nondisplaced transverse fracture of shaft of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.224N	Nondisplaced transverse fracture of shaft of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.225K	Nondisplaced transverse fracture of shaft of left ulna, subsequent encounter for closed fracture with nonunion
S52.225M	Nondisplaced transverse fracture of shaft of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.225N	Nondisplaced transverse fracture of shaft of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.226K	Nondisplaced transverse fracture of shaft of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.226M	Nondisplaced transverse fracture of shaft of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.226N	Nondisplaced transverse fracture of shaft of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.231K	Displaced oblique fracture of shaft of right ulna, subsequent encounter for closed fracture with nonunion
S52.231M	Displaced oblique fracture of shaft of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.231N	Displaced oblique fracture of shaft of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.232K	Displaced oblique fracture of shaft of left ulna, subsequent encounter for closed fracture with nonunion

S52.232M	Displaced oblique fracture of shaft of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.232N	Displaced oblique fracture of shaft of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.233K	Displaced oblique fracture of shaft of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.233M	Displaced oblique fracture of shaft of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.233N	Displaced oblique fracture of shaft of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.234K	Nondisplaced oblique fracture of shaft of right ulna, subsequent encounter for closed fracture with nonunion
S52.234M	Nondisplaced oblique fracture of shaft of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.234N	Nondisplaced oblique fracture of shaft of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.235K	Nondisplaced oblique fracture of shaft of left ulna, subsequent encounter for closed fracture with nonunion
S52.235M	Nondisplaced oblique fracture of shaft of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.235N	Nondisplaced oblique fracture of shaft of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.236K	Nondisplaced oblique fracture of shaft of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.236M	Nondisplaced oblique fracture of shaft of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.236N	Nondisplaced oblique fracture of shaft of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.241K	Displaced spiral fracture of shaft of ulna, right arm, subsequent encounter for closed fracture with nonunion
S52.241M	Displaced spiral fracture of shaft of ulna, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.241N	Displaced spiral fracture of shaft of ulna, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.242K	Displaced spiral fracture of shaft of ulna, left arm, subsequent encounter for closed fracture with nonunion
S52.242M	Displaced spiral fracture of shaft of ulna, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.242N	Displaced spiral fracture of shaft of ulna, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.243K	Displaced spiral fracture of shaft of ulna, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.243M	Displaced spiral fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.243N	Displaced spiral fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.244K	Nondisplaced spiral fracture of shaft of ulna, right arm, subsequent encounter for closed fracture with nonunion
S52.244M	Nondisplaced spiral fracture of shaft of ulna, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.244N	Nondisplaced spiral fracture of shaft of ulna, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.245K	Nondisplaced spiral fracture of shaft of ulna, left arm, subsequent encounter for closed fracture with nonunion
S52.245M	Nondisplaced spiral fracture of shaft of ulna, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.245N	Nondisplaced spiral fracture of shaft of ulna, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion

S52.246K	Nondisplaced spiral fracture of shaft of ulna, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.246M	Nondisplaced spiral fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.246N	Nondisplaced spiral fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.251K	Displaced comminuted fracture of shaft of ulna, right arm, subsequent encounter for closed fracture with nonunion
S52.251M	Displaced comminuted fracture of shaft of ulna, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.251N	Displaced comminuted fracture of shaft of ulna, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.252K	Displaced comminuted fracture of shaft of ulna, left arm, subsequent encounter for closed fracture with nonunion
S52.252M	Displaced comminuted fracture of shaft of ulna, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.252N	Displaced comminuted fracture of shaft of ulna, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.253K	Displaced comminuted fracture of shaft of ulna, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.253M	Displaced comminuted fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.253N	Displaced comminuted fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.254K	Nondisplaced comminuted fracture of shaft of ulna, right arm, subsequent encounter for closed fracture with nonunion
S52.254M	Nondisplaced comminuted fracture of shaft of ulna, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.254N	Nondisplaced comminuted fracture of shaft of ulna, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.255K	Nondisplaced comminuted fracture of shaft of ulna, left arm, subsequent encounter for closed fracture with nonunion
S52.255M	Nondisplaced comminuted fracture of shaft of ulna, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.255N	Nondisplaced comminuted fracture of shaft of ulna, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.256K	Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.256M	Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.256N	Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.261K	Displaced segmental fracture of shaft of ulna, right arm, subsequent encounter for closed fracture with nonunion
S52.261M	Displaced segmental fracture of shaft of ulna, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.261N	Displaced segmental fracture of shaft of ulna, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.262K	Displaced segmental fracture of shaft of ulna, left arm, subsequent encounter for closed fracture with nonunion
S52.262M	Displaced segmental fracture of shaft of ulna, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.262N	Displaced segmental fracture of shaft of ulna, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.263K	Displaced segmental fracture of shaft of ulna, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.263M	Displaced segmental fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion

S52.263N	Displaced segmental fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.264K	Nondisplaced segmental fracture of shaft of ulna, right arm, subsequent encounter for closed fracture with nonunion
S52.264M	Nondisplaced segmental fracture of shaft of ulna, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.264N	Nondisplaced segmental fracture of shaft of ulna, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.265K	Nondisplaced segmental fracture of shaft of ulna, left arm, subsequent encounter for closed fracture with nonunion
S52.265M	Nondisplaced segmental fracture of shaft of ulna, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.265N	Nondisplaced segmental fracture of shaft of ulna, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.266K	Nondisplaced segmental fracture of shaft of ulna, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.266M	Nondisplaced segmental fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.266N	Nondisplaced segmental fracture of shaft of ulna, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.271K	Monteggia's fracture of right ulna, subsequent encounter for closed fracture with nonunion
S52.271M	Monteggia's fracture of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.271N	Monteggia's fracture of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.272K	Monteggia's fracture of left ulna, subsequent encounter for closed fracture with nonunion
S52.272M	Monteggia's fracture of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.272N	Monteggia's fracture of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.279K	Monteggia's fracture of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.279M	Monteggia's fracture of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.279N	Monteggia's fracture of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.281K	Bent bone of right ulna, subsequent encounter for closed fracture with nonunion
S52.281M	Bent bone of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.281N	Bent bone of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.282K	Bent bone of left ulna, subsequent encounter for closed fracture with nonunion
S52.282M	Bent bone of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.282N	Bent bone of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.283K	Bent bone of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.283M	Bent bone of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.283N	Bent bone of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.291K	Other fracture of shaft of right ulna, subsequent encounter for closed fracture with nonunion
S52.291M	Other fracture of shaft of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.291N	Other fracture of shaft of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.292K	Other fracture of shaft of left ulna, subsequent encounter for closed fracture with nonunion
S52.292M	Other fracture of shaft of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.292N	Other fracture of shaft of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.299K	Other fracture of shaft of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.299M	Other fracture of shaft of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.299N	Other fracture of shaft of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.301K	Unspecified fracture of shaft of right radius, subsequent encounter for closed fracture with nonunion



S52.301M	Unspecified fracture of shaft of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.301N	Unspecified fracture of shaft of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.302K	Unspecified fracture of shaft of left radius, subsequent encounter for closed fracture with nonunion
S52.302M	Unspecified fracture of shaft of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.302N	Unspecified fracture of shaft of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.309K	Unspecified fracture of shaft of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.309M	Unspecified fracture of shaft of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.309N	Unspecified fracture of shaft of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.311K	Greenstick fracture of shaft of radius, right arm, subsequent encounter for fracture with nonunion
S52.312K	Greenstick fracture of shaft of radius, left arm, subsequent encounter for fracture with nonunion
S52.319K	Greenstick fracture of shaft of radius, unspecified arm, subsequent encounter for fracture with nonunion
S52.321K	Displaced transverse fracture of shaft of right radius, subsequent encounter for closed fracture with nonunion
S52.321M	Displaced transverse fracture of shaft of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.321N	Displaced transverse fracture of shaft of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.322K	Displaced transverse fracture of shaft of left radius, subsequent encounter for closed fracture with nonunion
S52.322M	Displaced transverse fracture of shaft of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.322N	Displaced transverse fracture of shaft of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.323K	Displaced transverse fracture of shaft of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.323M	Displaced transverse fracture of shaft of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.323N	Displaced transverse fracture of shaft of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.324K	Nondisplaced transverse fracture of shaft of right radius, subsequent encounter for closed fracture with nonunion
S52.324M	Nondisplaced transverse fracture of shaft of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.324N	Nondisplaced transverse fracture of shaft of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.325K	Nondisplaced transverse fracture of shaft of left radius, subsequent encounter for closed fracture with nonunion
S52.325M	Nondisplaced transverse fracture of shaft of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.325N	Nondisplaced transverse fracture of shaft of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.326K	Nondisplaced transverse fracture of shaft of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.326M	Nondisplaced transverse fracture of shaft of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.326N	Nondisplaced transverse fracture of shaft of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.331K	Displaced oblique fracture of shaft of right radius, subsequent encounter for closed fracture with nonunion
S52.331M	Displaced oblique fracture of shaft of right radius, subsequent encounter for open fracture type I or ii with nonunion

S52.331N	Displaced oblique fracture of shaft of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.332K	Displaced oblique fracture of shaft of left radius, subsequent encounter for closed fracture with nonunion
S52.332M	Displaced oblique fracture of shaft of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.332N	Displaced oblique fracture of shaft of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.333K	Displaced oblique fracture of shaft of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.333M	Displaced oblique fracture of shaft of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.333N	Displaced oblique fracture of shaft of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.334K	Nondisplaced oblique fracture of shaft of right radius, subsequent encounter for closed fracture with nonunion
S52.334M	Nondisplaced oblique fracture of shaft of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.334N	Nondisplaced oblique fracture of shaft of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.335K	Nondisplaced oblique fracture of shaft of left radius, subsequent encounter for closed fracture with nonunion
S52.335M	Nondisplaced oblique fracture of shaft of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.335N	Nondisplaced oblique fracture of shaft of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.336K	Nondisplaced oblique fracture of shaft of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.336M	Nondisplaced oblique fracture of shaft of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.336N	Nondisplaced oblique fracture of shaft of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.341K	Displaced spiral fracture of shaft of radius, right arm, subsequent encounter for closed fracture with nonunion
S52.341M	Displaced spiral fracture of shaft of radius, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.341N	Displaced spiral fracture of shaft of radius, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.342K	Displaced spiral fracture of shaft of radius, left arm, subsequent encounter for closed fracture with nonunion
S52.342M	Displaced spiral fracture of shaft of radius, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.342N	Displaced spiral fracture of shaft of radius, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.343K	Displaced spiral fracture of shaft of radius, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.343M	Displaced spiral fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.343N	Displaced spiral fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.344K	Nondisplaced spiral fracture of shaft of radius, right arm, subsequent encounter for closed fracture with nonunion
S52.344M	Nondisplaced spiral fracture of shaft of radius, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.344N	Nondisplaced spiral fracture of shaft of radius, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.345K	Nondisplaced spiral fracture of shaft of radius, left arm, subsequent encounter for closed fracture with nonunion

S52.345M	Nondisplaced spiral fracture of shaft of radius, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.345N	Nondisplaced spiral fracture of shaft of radius, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.346K	Nondisplaced spiral fracture of shaft of radius, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.346M	Nondisplaced spiral fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.346N	Nondisplaced spiral fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.351K	Displaced comminuted fracture of shaft of radius, right arm, subsequent encounter for closed fracture with nonunion
S52.351M	Displaced comminuted fracture of shaft of radius, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.351N	Displaced comminuted fracture of shaft of radius, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.352K	Displaced comminuted fracture of shaft of radius, left arm, subsequent encounter for closed fracture with nonunion
S52.352M	Displaced comminuted fracture of shaft of radius, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.352N	Displaced comminuted fracture of shaft of radius, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.353K	Displaced comminuted fracture of shaft of radius, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.353M	Displaced comminuted fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.353N	Displaced comminuted fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.354K	Nondisplaced comminuted fracture of shaft of radius, right arm, subsequent encounter for closed fracture with nonunion
S52.354M	Nondisplaced comminuted fracture of shaft of radius, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.354N	Nondisplaced comminuted fracture of shaft of radius, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.355K	Nondisplaced comminuted fracture of shaft of radius, left arm, subsequent encounter for closed fracture with nonunion
S52.355M	Nondisplaced comminuted fracture of shaft of radius, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.355N	Nondisplaced comminuted fracture of shaft of radius, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.356K	Nondisplaced comminuted fracture of shaft of radius, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.356M	Nondisplaced comminuted fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.356N	Nondisplaced comminuted fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.361K	Displaced segmental fracture of shaft of radius, right arm, subsequent encounter for closed fracture with nonunion
S52.361M	Displaced segmental fracture of shaft of radius, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.361N	Displaced segmental fracture of shaft of radius, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.362K	Displaced segmental fracture of shaft of radius, left arm, subsequent encounter for closed fracture with nonunion
S52.362M	Displaced segmental fracture of shaft of radius, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.362N	Displaced segmental fracture of shaft of radius, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion

S52.363K	Displaced segmental fracture of shaft of radius, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.363M	Displaced segmental fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.363N	Displaced segmental fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.364K	Nondisplaced segmental fracture of shaft of radius, right arm, subsequent encounter for closed fracture with nonunion
S52.364M	Nondisplaced segmental fracture of shaft of radius, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.364N	Nondisplaced segmental fracture of shaft of radius, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.365K	Nondisplaced segmental fracture of shaft of radius, left arm, subsequent encounter for closed fracture with nonunion
S52.365M	Nondisplaced segmental fracture of shaft of radius, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.365N	Nondisplaced segmental fracture of shaft of radius, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.366K	Nondisplaced segmental fracture of shaft of radius, unspecified arm, subsequent encounter for closed fracture with nonunion
S52.366M	Nondisplaced segmental fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.366N	Nondisplaced segmental fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.371K	Galeazzi's fracture of right radius, subsequent encounter for closed fracture with nonunion
S52.371M	Galeazzi's fracture of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.371N	Galeazzi's fracture of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.372K	Galeazzi's fracture of left radius, subsequent encounter for closed fracture with nonunion
S52.372M	Galeazzi's fracture of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.372N	Galeazzi's fracture of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.379K	Galeazzi's fracture of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.379M	Galeazzi's fracture of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.379N	Galeazzi's fracture of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.381K	Bent bone of right radius, subsequent encounter for closed fracture with nonunion
S52.381M	Bent bone of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.381N	Bent bone of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.382K	Bent bone of left radius, subsequent encounter for closed fracture with nonunion
S52.382M	Bent bone of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.382N	Bent bone of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.389K	Bent bone of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.389M	Bent bone of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.389N	Bent bone of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.391K	Other fracture of shaft of radius, right arm, subsequent encounter for closed fracture with nonunion
S52.391M	Other fracture of shaft of radius, right arm, subsequent encounter for open fracture type I or ii with nonunion
S52.391N	Other fracture of shaft of radius, right arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.392K	Other fracture of shaft of radius, left arm, subsequent encounter for closed fracture with nonunion
S52.392M	Other fracture of shaft of radius, left arm, subsequent encounter for open fracture type I or ii with nonunion
S52.392N	Other fracture of shaft of radius, left arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.399K	Other fracture of shaft of radius, unspecified arm, subsequent encounter for closed fracture with nonunion

S52.399M	Other fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type I or ii with nonunion
S52.399N	Other fracture of shaft of radius, unspecified arm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.501K	Unspecified fracture of the lower end of right radius, subsequent encounter for closed fracture with nonunion
S52.501M	Unspecified fracture of the lower end of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.501N	Unspecified fracture of the lower end of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.502K	Unspecified fracture of the lower end of left radius, subsequent encounter for closed fracture with nonunion
S52.502M	Unspecified fracture of the lower end of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.502N	Unspecified fracture of the lower end of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.509K	Unspecified fracture of the lower end of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.509M	Unspecified fracture of the lower end of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.509N	Unspecified fracture of the lower end of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.511K	Displaced fracture of right radial styloid process, subsequent encounter for closed fracture with nonunion
S52.511M	Displaced fracture of right radial styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.511N	Displaced fracture of right radial styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.512K	Displaced fracture of left radial styloid process, subsequent encounter for closed fracture with nonunion
S52.512M	Displaced fracture of left radial styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.512N	Displaced fracture of left radial styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.513K	Displaced fracture of unspecified radial styloid process, subsequent encounter for closed fracture with nonunion
S52.513M	Displaced fracture of unspecified radial styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.513N	Displaced fracture of unspecified radial styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.514K	Nondisplaced fracture of right radial styloid process, subsequent encounter for closed fracture with nonunion
S52.514M	Nondisplaced fracture of right radial styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.514N	Nondisplaced fracture of right radial styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.515K	Nondisplaced fracture of left radial styloid process, subsequent encounter for closed fracture with nonunion
S52.515M	Nondisplaced fracture of left radial styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.515N	Nondisplaced fracture of left radial styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.516K	Nondisplaced fracture of unspecified radial styloid process, subsequent encounter for closed fracture with nonunion
S52.516M	Nondisplaced fracture of unspecified radial styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.516N	Nondisplaced fracture of unspecified radial styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.521K	Torus fracture of lower end of right radius, subsequent encounter for fracture with nonunion
S52.522K	Torus fracture of lower end of left radius, subsequent encounter for fracture with nonunion

S52.529K	Torus fracture of lower end of unspecified radius, subsequent encounter for fracture with nonunion
S52.531K	Colles' fracture of right radius, subsequent encounter for closed fracture with nonunion
S52.531M	Colles' fracture of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.531N	Colles' fracture of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.532K	Colles' fracture of left radius, subsequent encounter for closed fracture with nonunion
S52.532M	Colles' fracture of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.532N	Colles' fracture of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.539K	Colles' fracture of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.539M	Colles' fracture of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.539N	Colles' fracture of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.541K	Smith's fracture of right radius, subsequent encounter for closed fracture with nonunion
S52.541M	Smith's fracture of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.541N	Smith's fracture of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.542K	Smith's fracture of left radius, subsequent encounter for closed fracture with nonunion
S52.542M	Smith's fracture of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.542N	Smith's fracture of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.549K	Smith's fracture of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.549M	Smith's fracture of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.549N	Smith's fracture of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.551K	Other extraarticular fracture of lower end of right radius, subsequent encounter for closed fracture with nonunion
S52.551M	Other extraarticular fracture of lower end of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.551N	Other extraarticular fracture of lower end of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.552K	Other extraarticular fracture of lower end of left radius, subsequent encounter for closed fracture with nonunion
S52.552M	Other extraarticular fracture of lower end of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.552N	Other extraarticular fracture of lower end of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.559K	Other extraarticular fracture of lower end of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.559M	Other extraarticular fracture of lower end of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.559N	Other extraarticular fracture of lower end of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.561K	Barton's fracture of right radius, subsequent encounter for closed fracture with nonunion
S52.561M	Barton's fracture of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.561N	Barton's fracture of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.562K	Barton's fracture of left radius, subsequent encounter for closed fracture with nonunion
S52.562M	Barton's fracture of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.562N	Barton's fracture of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.569K	Barton's fracture of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.569M	Barton's fracture of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.569N	Barton's fracture of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.571K	Other intraarticular fracture of lower end of right radius, subsequent encounter for closed fracture with nonunion
S52.571M	Other intraarticular fracture of lower end of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.571N	Other intraarticular fracture of lower end of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion

S52.572K	Other intraarticular fracture of lower end of left radius, subsequent encounter for closed fracture with nonunion
S52.572M	Other intraarticular fracture of lower end of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.572N	Other intraarticular fracture of lower end of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.579K	Other intraarticular fracture of lower end of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.579M	Other intraarticular fracture of lower end of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.579N	Other intraarticular fracture of lower end of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.591K	Other fractures of lower end of right radius, subsequent encounter for closed fracture with nonunion
S52.591M	Other fractures of lower end of right radius, subsequent encounter for open fracture type I or ii with nonunion
S52.591N	Other fractures of lower end of right radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.592K	Other fractures of lower end of left radius, subsequent encounter for closed fracture with nonunion
S52.592M	Other fractures of lower end of left radius, subsequent encounter for open fracture type I or ii with nonunion
S52.592N	Other fractures of lower end of left radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.599K	Other fractures of lower end of unspecified radius, subsequent encounter for closed fracture with nonunion
S52.599M	Other fractures of lower end of unspecified radius, subsequent encounter for open fracture type I or ii with nonunion
S52.599N	Other fractures of lower end of unspecified radius, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.601K	Unspecified fracture of lower end of right ulna, subsequent encounter for closed fracture with nonunion
S52.601M	Unspecified fracture of lower end of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.601N	Unspecified fracture of lower end of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.602K	Unspecified fracture of lower end of left ulna, subsequent encounter for closed fracture with nonunion
S52.602M	Unspecified fracture of lower end of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.602N	Unspecified fracture of lower end of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.609K	Unspecified fracture of lower end of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.609M	Unspecified fracture of lower end of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.609N	Unspecified fracture of lower end of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.611K	Displaced fracture of right ulna styloid process, subsequent encounter for closed fracture with nonunion
S52.611M	Displaced fracture of right ulna styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.611N	Displaced fracture of right ulna styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.612K	Displaced fracture of left ulna styloid process, subsequent encounter for closed fracture with nonunion
S52.612M	Displaced fracture of left ulna styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.612N	Displaced fracture of left ulna styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.613K	Displaced fracture of unspecified ulna styloid process, subsequent encounter for closed fracture with nonunion
S52.613M	Displaced fracture of unspecified ulna styloid process, subsequent encounter for open fracture type I or ii with nonunion

S52.613N	Displaced fracture of unspecified ulna styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.614K	Nondisplaced fracture of right ulna styloid process, subsequent encounter for closed fracture with nonunion
S52.614M	Nondisplaced fracture of right ulna styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.614N	Nondisplaced fracture of right ulna styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.615K	Nondisplaced fracture of left ulna styloid process, subsequent encounter for closed fracture with nonunion
S52.615M	Nondisplaced fracture of left ulna styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.615N	Nondisplaced fracture of left ulna styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.616K	Nondisplaced fracture of unspecified ulna styloid process, subsequent encounter for closed fracture with nonunion
S52.616M	Nondisplaced fracture of unspecified ulna styloid process, subsequent encounter for open fracture type I or ii with nonunion
S52.616N	Nondisplaced fracture of unspecified ulna styloid process, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.621K	Torus fracture of lower end of right ulna, subsequent encounter for fracture with nonunion
S52.622K	Torus fracture of lower end of left ulna, subsequent encounter for fracture with nonunion
S52.629K	Torus fracture of lower end of unspecified ulna, subsequent encounter for fracture with nonunion
S52.691K	Other fracture of lower end of right ulna, subsequent encounter for closed fracture with nonunion
S52.691M	Other fracture of lower end of right ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.691N	Other fracture of lower end of right ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.692K	Other fracture of lower end of left ulna, subsequent encounter for closed fracture with nonunion
S52.692M	Other fracture of lower end of left ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.692N	Other fracture of lower end of left ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.699K	Other fracture of lower end of unspecified ulna, subsequent encounter for closed fracture with nonunion
S52.699M	Other fracture of lower end of unspecified ulna, subsequent encounter for open fracture type I or ii with nonunion
S52.699N	Other fracture of lower end of unspecified ulna, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.90XK	Unspecified fracture of unspecified forearm, subsequent encounter for closed fracture with nonunion
S52.90XM	Unspecified fracture of unspecified forearm, subsequent encounter for open fracture type I or ii with nonunion
S52.90XN	Unspecified fracture of unspecified forearm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.91XK	Unspecified fracture of right forearm, subsequent encounter for closed fracture with nonunion
S52.91XM	Unspecified fracture of right forearm, subsequent encounter for open fracture type I or ii with nonunion
S52.91XN	Unspecified fracture of right forearm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S52.92XK	Unspecified fracture of left forearm, subsequent encounter for closed fracture with nonunion
S52.92XM	Unspecified fracture of left forearm, subsequent encounter for open fracture type I or ii with nonunion
S52.92XN	Unspecified fracture of left forearm, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S59.001K	Unspecified physeal fracture of lower end of ulna, right arm, subsequent encounter for fracture with nonunion
S59.002K	Unspecified physeal fracture of lower end of ulna, left arm, subsequent encounter for fracture with nonunion
S59.009K	Unspecified physeal fracture of lower end of ulna, unspecified arm, subsequent encounter for fracture with nonunion
S59.011K	Salter-Harris type I physeal fracture of lower end of ulna, right arm, subsequent encounter for fracture with nonunion



S59.012K	Salter-Harris type I physeal fracture of lower end of ulna, left arm, subsequent encounter for fracture with nonunion
S59.019K	Salter-Harris type I physeal fracture of lower end of ulna, unspecified arm, subsequent encounter for fracture with nonunion
S59.021K	Salter-Harris type ii physeal fracture of lower end of ulna, right arm, subsequent encounter for fracture with nonunion
S59.022K	Salter-Harris type ii physeal fracture of lower end of ulna, left arm, subsequent encounter for fracture with nonunion
S59.029K	Salter-Harris type ii physeal fracture of lower end of ulna, unspecified arm, subsequent encounter for fracture with nonunion
S59.031K	Salter-Harris type iii physeal fracture of lower end of ulna, right arm, subsequent encounter for fracture with nonunion
S59.032K	Salter-Harris type iii physeal fracture of lower end of ulna, left arm, subsequent encounter for fracture with nonunion
S59.039K	Salter-Harris type iii physeal fracture of lower end of ulna, unspecified arm, subsequent encounter for fracture with nonunion
S59.041K	Salter-Harris type iv physeal fracture of lower end of ulna, right arm, subsequent encounter for fracture with nonunion
S59.042K	Salter-Harris type iv physeal fracture of lower end of ulna, left arm, subsequent encounter for fracture with nonunion
S59.049K	Salter-Harris type iv physeal fracture of lower end of ulna, unspecified arm, subsequent encounter for fracture with nonunion
S59.091K	Other physeal fracture of lower end of ulna, right arm, subsequent encounter for fracture with nonunion
S59.092K	Other physeal fracture of lower end of ulna, left arm, subsequent encounter for fracture with nonunion
S59.099K	Other physeal fracture of lower end of ulna, unspecified arm, subsequent encounter for fracture with nonunion
S59.101K	Unspecified physeal fracture of upper end of radius, right arm, subsequent encounter for fracture with nonunion
S59.102K	Unspecified physeal fracture of upper end of radius, left arm, subsequent encounter for fracture with nonunion
S59.109K	Unspecified physeal fracture of upper end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.111K	Salter-Harris type I physeal fracture of upper end of radius, right arm, subsequent encounter for fracture with nonunion
S59.112K	Salter-Harris type I physeal fracture of upper end of radius, left arm, subsequent encounter for fracture with nonunion
S59.119K	Salter-Harris type I physeal fracture of upper end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.121K	Salter-Harris type ii physeal fracture of upper end of radius, right arm, subsequent encounter for fracture with nonunion
S59.122K	Salter-Harris type ii physeal fracture of upper end of radius, left arm, subsequent encounter for fracture with nonunion
S59.129K	Salter-Harris type ii physeal fracture of upper end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.131K	Salter-Harris type iii physeal fracture of upper end of radius, right arm, subsequent encounter for fracture with nonunion
S59.132K	Salter-Harris type iii physeal fracture of upper end of radius, left arm, subsequent encounter for fracture with nonunion
S59.139K	Salter-Harris type iii physeal fracture of upper end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.141K	Salter-Harris type iv physeal fracture of upper end of radius, right arm, subsequent encounter for fracture with nonunion
S59.142K	Salter-Harris type iv physeal fracture of upper end of radius, left arm, subsequent encounter for fracture with nonunion
S59.149K	Salter-Harris type iv physeal fracture of upper end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.191K	Other physeal fracture of upper end of radius, right arm, subsequent encounter for fracture with nonunion
S59.192K	Other physeal fracture of upper end of radius, left arm, subsequent encounter for fracture with nonunion

S59.199K	Other physeal fracture of upper end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.201K	Unspecified physeal fracture of lower end of radius, right arm, subsequent encounter for fracture with nonunion
S59.202K	Unspecified physeal fracture of lower end of radius, left arm, subsequent encounter for fracture with nonunion
S59.209K	Unspecified physeal fracture of lower end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.211K	Salter-Harris type I physeal fracture of lower end of radius, right arm, subsequent encounter for fracture with nonunion
S59.212K	Salter-Harris type I physeal fracture of lower end of radius, left arm, subsequent encounter for fracture with nonunion
S59.219K	Salter-Harris type I physeal fracture of lower end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.221K	Salter-Harris type ii physeal fracture of lower end of radius, right arm, subsequent encounter for fracture with nonunion
S59.222K	Salter-Harris type ii physeal fracture of lower end of radius, left arm, subsequent encounter for fracture with nonunion
S59.229K	Salter-Harris type ii physeal fracture of lower end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.231K	Salter-Harris type iii physeal fracture of lower end of radius, right arm, subsequent encounter for fracture with nonunion
S59.232K	Salter-Harris type iii physeal fracture of lower end of radius, left arm, subsequent encounter for fracture with nonunion
S59.239K	Salter-Harris type iii physeal fracture of lower end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.241K	Salter-Harris type iv physeal fracture of lower end of radius, right arm, subsequent encounter for fracture with nonunion
S59.242K	Salter-Harris type iv physeal fracture of lower end of radius, left arm, subsequent encounter for fracture with nonunion
S59.249K	Salter-Harris type iv physeal fracture of lower end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S59.291K	Other physeal fracture of lower end of radius, right arm, subsequent encounter for fracture with nonunion
S59.292K	Other physeal fracture of lower end of radius, left arm, subsequent encounter for fracture with nonunion
S59.299K	Other physeal fracture of lower end of radius, unspecified arm, subsequent encounter for fracture with nonunion
S62.001K	Unspecified fracture of navicular [scaphoid] bone of right wrist, subsequent encounter for fracture with nonunion
S62.002K	Unspecified fracture of navicular [scaphoid] bone of left wrist, subsequent encounter for fracture with nonunion
S62.009K	Unspecified fracture of navicular [scaphoid] bone of unspecified wrist, subsequent encounter for fracture with nonunion
S62.011K	Displaced fracture of distal pole of navicular [scaphoid] bone of right wrist, subsequent encounter for fracture with nonunion
S62.012K	Displaced fracture of distal pole of navicular [scaphoid] bone of left wrist, subsequent encounter for fracture with nonunion
S62.013K	Displaced fracture of distal pole of navicular [scaphoid] bone of unspecified wrist, subsequent encounter for fracture with nonunion
S62.014K	Nondisplaced fracture of distal pole of navicular [scaphoid] bone of right wrist, subsequent encounter for fracture with nonunion
S62.015K	Nondisplaced fracture of distal pole of navicular [scaphoid] bone of left wrist, subsequent encounter for fracture with nonunion
S62.016K	Nondisplaced fracture of distal pole of navicular [scaphoid] bone of unspecified wrist, subsequent encounter for fracture with nonunion
S62.021K	Displaced fracture of middle third of navicular [scaphoid] bone of right wrist, subsequent encounter for fracture with nonunion
S62.022K	Displaced fracture of middle third of navicular [scaphoid] bone of left wrist, subsequent encounter for fracture with nonunion

S62.023K	Displaced fracture of middle third of navicular [scaphoid] bone of unspecified wrist, subsequent encounter for fracture with nonunion
S62.024K	Nondisplaced fracture of middle third of navicular [scaphoid] bone of right wrist, subsequent encounter for fracture with nonunion
S62.025K	Nondisplaced fracture of middle third of navicular [scaphoid] bone of left wrist, subsequent encounter for fracture with nonunion
S62.026K	Nondisplaced fracture of middle third of navicular [scaphoid] bone of unspecified wrist, subsequent encounter for fracture with nonunion
S62.031K	Displaced fracture of proximal third of navicular [scaphoid] bone of right wrist, subsequent encounter for fracture with nonunion
S62.032K	Displaced fracture of proximal third of navicular [scaphoid] bone of left wrist, subsequent encounter for fracture with nonunion
S62.033K	Displaced fracture of proximal third of navicular [scaphoid] bone of unspecified wrist, subsequent encounter for fracture with nonunion
S62.034K	Nondisplaced fracture of proximal third of navicular [scaphoid] bone of right wrist, subsequent encounter for fracture with nonunion
S62.035K	Nondisplaced fracture of proximal third of navicular [scaphoid] bone of left wrist, subsequent encounter for fracture with nonunion
S62.036K	Nondisplaced fracture of proximal third of navicular [scaphoid] bone of unspecified wrist, subsequent encounter for fracture with nonunion
S62.201K	Unspecified fracture of first metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.202K	Unspecified fracture of first metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.209K	Unspecified fracture of first metacarpal bone, unspecified hand, subsequent encounter for fracture with nonunion
S62.211K	Bennett's fracture, right hand, subsequent encounter for fracture with nonunion
S62.212K	Bennett's fracture, left hand, subsequent encounter for fracture with nonunion
S62.213K	Bennett's fracture, unspecified hand, subsequent encounter for fracture with nonunion
S62.221K	Displaced Rolando's fracture, right hand, subsequent encounter for fracture with nonunion
S62.222K	Displaced Rolando's fracture, left hand, subsequent encounter for fracture with nonunion
S62.223K	Displaced Rolando's fracture, unspecified hand, subsequent encounter for fracture with nonunion
S62.224K	Nondisplaced Rolando's fracture, right hand, subsequent encounter for fracture with nonunion
S62.225K	Nondisplaced Rolando's fracture, left hand, subsequent encounter for fracture with nonunion
S62.226K	Nondisplaced Rolando's fracture, unspecified hand, subsequent encounter for fracture with nonunion
S62.231K	Other displaced fracture of base of first metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.232K	Other displaced fracture of base of first metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.233K	Other displaced fracture of base of first metacarpal bone, unspecified hand, subsequent encounter for fracture with nonunion
S62.234K	Other nondisplaced fracture of base of first metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.235K	Other nondisplaced fracture of base of first metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.236K	Other nondisplaced fracture of base of first metacarpal bone, unspecified hand, subsequent encounter for fracture with nonunion
S62.241K	Displaced fracture of shaft of first metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.242K	Displaced fracture of shaft of first metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.243K	Displaced fracture of shaft of first metacarpal bone, unspecified hand, subsequent encounter for fracture with nonunion
S62.244K	Nondisplaced fracture of shaft of first metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.245K	Nondisplaced fracture of shaft of first metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.246K	Nondisplaced fracture of shaft of first metacarpal bone, unspecified hand, subsequent encounter for fracture with nonunion

S62.251K	Displaced fracture of neck of first metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.252K	Displaced fracture of neck of first metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.253K	Displaced fracture of neck of first metacarpal bone, unspecified hand, subsequent encounter for fracture with nonunion
S62.254K	Nondisplaced fracture of neck of first metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.255K	Nondisplaced fracture of neck of first metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.256K	Nondisplaced fracture of neck of first metacarpal bone, unspecified hand, subsequent encounter for fracture with nonunion
S62.291K	Other fracture of first metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.292K	Other fracture of first metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.299K	Other fracture of first metacarpal bone, unspecified hand, subsequent encounter for fracture with nonunion
S62.300K	Unspecified fracture of second metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.301K	Unspecified fracture of second metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.302K	Unspecified fracture of third metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.303K	Unspecified fracture of third metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.304K	Unspecified fracture of fourth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.305K	Unspecified fracture of fourth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.306K	Unspecified fracture of fifth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.307K	Unspecified fracture of fifth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.308K	Unspecified fracture of other metacarpal bone, subsequent encounter for fracture with nonunion
S62.309K	Unspecified fracture of unspecified metacarpal bone, subsequent encounter for fracture with nonunion
S62.310K	Displaced fracture of base of second metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.311K	Displaced fracture of base of second metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.312K	Displaced fracture of base of third metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.313K	Displaced fracture of base of third metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.314K	Displaced fracture of base of fourth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.315K	Displaced fracture of base of fourth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.316K	Displaced fracture of base of fifth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.317K	Displaced fracture of base of fifth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.318K	Displaced fracture of base of other metacarpal bone, subsequent encounter for fracture with nonunion
S62.319K	Displaced fracture of base of unspecified metacarpal bone, subsequent encounter for fracture with nonunion
S62.320K	Displaced fracture of shaft of second metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.321K	Displaced fracture of shaft of second metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.322K	Displaced fracture of shaft of third metacarpal bone, right hand, subsequent encounter for fracture with nonunion

S62.323K	Displaced fracture of shaft of third metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.324K	Displaced fracture of shaft of fourth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.325K	Displaced fracture of shaft of fourth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.326K	Displaced fracture of shaft of fifth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.327K	Displaced fracture of shaft of fifth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.328K	Displaced fracture of shaft of other metacarpal bone, subsequent encounter for fracture with nonunion
S62.329K	Displaced fracture of shaft of unspecified metacarpal bone, subsequent encounter for fracture with nonunion
S62.330K	Displaced fracture of neck of second metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.331K	Displaced fracture of neck of second metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.332K	Displaced fracture of neck of third metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.333K	Displaced fracture of neck of third metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.334K	Displaced fracture of neck of fourth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.335K	Displaced fracture of neck of fourth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.336K	Displaced fracture of neck of fifth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.337K	Displaced fracture of neck of fifth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.338K	Displaced fracture of neck of other metacarpal bone, subsequent encounter for fracture with nonunion
S62.339K	Displaced fracture of neck of unspecified metacarpal bone, subsequent encounter for fracture with nonunion
S62.340K	Nondisplaced fracture of base of second metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.341K	Nondisplaced fracture of base of second metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.342K	Nondisplaced fracture of base of third metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.343K	Nondisplaced fracture of base of third metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.344K	Nondisplaced fracture of base of fourth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.345K	Nondisplaced fracture of base of fourth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.346K	Nondisplaced fracture of base of fifth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.347K	Nondisplaced fracture of base of fifth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.348K	Nondisplaced fracture of base of other metacarpal bone, subsequent encounter for fracture with nonunion
S62.349K	Nondisplaced fracture of base of unspecified metacarpal bone, subsequent encounter for fracture with nonunion
S62.350K	Nondisplaced fracture of shaft of second metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.351K	Nondisplaced fracture of shaft of second metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.352K	Nondisplaced fracture of shaft of third metacarpal bone, right hand, subsequent encounter for fracture with nonunion

S62.353K	Nondisplaced fracture of shaft of third metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.354K	Nondisplaced fracture of shaft of fourth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.355K	Nondisplaced fracture of shaft of fourth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.356K	Nondisplaced fracture of shaft of fifth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.357K	Nondisplaced fracture of shaft of fifth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.358K	Nondisplaced fracture of shaft of other metacarpal bone, subsequent encounter for fracture with nonunion
S62.359K	Nondisplaced fracture of shaft of unspecified metacarpal bone, subsequent encounter for fracture with nonunion
S62.360K	Nondisplaced fracture of neck of second metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.361K	Nondisplaced fracture of neck of second metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.362K	Nondisplaced fracture of neck of third metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.363K	Nondisplaced fracture of neck of third metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.364K	Nondisplaced fracture of neck of fourth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.365K	Nondisplaced fracture of neck of fourth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.366K	Nondisplaced fracture of neck of fifth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.367K	Nondisplaced fracture of neck of fifth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.368K	Nondisplaced fracture of neck of other metacarpal bone, subsequent encounter for fracture with nonunion
S62.369K	Nondisplaced fracture of neck of unspecified metacarpal bone, subsequent encounter for fracture with nonunion
S62.390K	Other fracture of second metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.391K	Other fracture of second metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.392K	Other fracture of third metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.393K	Other fracture of third metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.394K	Other fracture of fourth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.395K	Other fracture of fourth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.396K	Other fracture of fifth metacarpal bone, right hand, subsequent encounter for fracture with nonunion
S62.397K	Other fracture of fifth metacarpal bone, left hand, subsequent encounter for fracture with nonunion
S62.398K	Other fracture of other metacarpal bone, subsequent encounter for fracture with nonunion
S62.399K	Other fracture of unspecified metacarpal bone, subsequent encounter for fracture with nonunion
S62.501K	Fracture of unspecified phalanx of right thumb, subsequent encounter for fracture with nonunion
S62.502K	Fracture of unspecified phalanx of left thumb, subsequent encounter for fracture with nonunion
S62.509K	Fracture of unspecified phalanx of unspecified thumb, subsequent encounter for fracture with nonunion
S62.511K	Displaced fracture of proximal phalanx of right thumb, subsequent encounter for fracture with nonunion
S62.512K	Displaced fracture of proximal phalanx of left thumb, subsequent encounter for fracture with nonunion
S62.513K	Displaced fracture of proximal phalanx of unspecified thumb, subsequent encounter for fracture with nonunion
S62.514K	Nondisplaced fracture of proximal phalanx of right thumb, subsequent encounter for fracture with nonunion
S62.515K	Nondisplaced fracture of proximal phalanx of left thumb, subsequent encounter for fracture with nonunion
S62.516K	Nondisplaced fracture of proximal phalanx of unspecified thumb, subsequent encounter for fracture with nonunion

S62.521K	Displaced fracture of distal phalanx of right thumb, subsequent encounter for fracture with nonunion
S62.522K	Displaced fracture of distal phalanx of left thumb, subsequent encounter for fracture with nonunion
S62.523K	Displaced fracture of distal phalanx of unspecified thumb, subsequent encounter for fracture with nonunion
S62.524K	Nondisplaced fracture of distal phalanx of right thumb, subsequent encounter for fracture with nonunion
S62.525K	Nondisplaced fracture of distal phalanx of left thumb, subsequent encounter for fracture with nonunion
S62.526K	Nondisplaced fracture of distal phalanx of unspecified thumb, subsequent encounter for fracture with nonunion
S62.600K	Fracture of unspecified phalanx of right index finger, subsequent encounter for fracture with nonunion
S62.601K	Fracture of unspecified phalanx of left index finger, subsequent encounter for fracture with nonunion
S62.602K	Fracture of unspecified phalanx of right middle finger, subsequent encounter for fracture with nonunion
S62.603K	Fracture of unspecified phalanx of left middle finger, subsequent encounter for fracture with nonunion
S62.604K	Fracture of unspecified phalanx of right ring finger, subsequent encounter for fracture with nonunion
S62.605K	Fracture of unspecified phalanx of left ring finger, subsequent encounter for fracture with nonunion
S62.606K	Fracture of unspecified phalanx of right little finger, subsequent encounter for fracture with nonunion
S62.607K	Fracture of unspecified phalanx of left little finger, subsequent encounter for fracture with nonunion
S62.608K	Fracture of unspecified phalanx of other finger, subsequent encounter for fracture with nonunion
S62.609K	Fracture of unspecified phalanx of unspecified finger, subsequent encounter for fracture with nonunion
S62.610K	Displaced fracture of proximal phalanx of right index finger, subsequent encounter for fracture with nonunion
S62.611K	Displaced fracture of proximal phalanx of left index finger, subsequent encounter for fracture with nonunion
S62.612K	Displaced fracture of proximal phalanx of right middle finger, subsequent encounter for fracture with nonunion
S62.613K	Displaced fracture of proximal phalanx of left middle finger, subsequent encounter for fracture with nonunion
S62.614K	Displaced fracture of proximal phalanx of right ring finger, subsequent encounter for fracture with nonunion
S62.615K	Displaced fracture of proximal phalanx of left ring finger, subsequent encounter for fracture with nonunion
S62.616K	Displaced fracture of proximal phalanx of right little finger, subsequent encounter for fracture with nonunion
S62.617K	Displaced fracture of proximal phalanx of left little finger, subsequent encounter for fracture with nonunion
S62.618K	Displaced fracture of proximal phalanx of other finger, subsequent encounter for fracture with nonunion
S62.619K	Displaced fracture of proximal phalanx of unspecified finger, subsequent encounter for fracture with nonunion
S62.620K	Displaced fracture of middle phalanx of right index finger, subsequent encounter for fracture with nonunion
S62.621K	Displaced fracture of middle phalanx of left index finger, subsequent encounter for fracture with nonunion
S62.622K	Displaced fracture of middle phalanx of right middle finger, subsequent encounter for fracture with nonunion
S62.623K	Displaced fracture of middle phalanx of left middle finger, subsequent encounter for fracture with nonunion
S62.624K	Displaced fracture of middle phalanx of right ring finger, subsequent encounter for fracture with nonunion
S62.625K	Displaced fracture of middle phalanx of left ring finger, subsequent encounter for fracture with nonunion
S62.626K	Displaced fracture of medial phalanx of right little finger, subsequent encounter for fracture with nonunion
S62.627K	Displaced fracture of medial phalanx of left little finger, subsequent encounter for fracture with nonunion
S62.628K	Displaced fracture of medial phalanx of other finger, subsequent encounter for fracture with nonunion
S62.629K	Displaced fracture of medial phalanx of unspecified finger, subsequent encounter for fracture with nonunion
S62.630K	Displaced fracture of distal phalanx of right index finger, subsequent encounter for fracture with nonunion
S62.631K	Displaced fracture of distal phalanx of left index finger, subsequent encounter for fracture with nonunion
S62.632K	Displaced fracture of distal phalanx of right middle finger, subsequent encounter for fracture with nonunion
S62.633K	Displaced fracture of distal phalanx of left middle finger, subsequent encounter for fracture with nonunion
S62.634K	Displaced fracture of distal phalanx of right ring finger, subsequent encounter for fracture with nonunion
S62.635K	Displaced fracture of distal phalanx of left ring finger, subsequent encounter for fracture with nonunion

S62.636K	Displaced fracture of distal phalanx of right little finger, subsequent encounter for fracture with nonunion
S62.637K	Displaced fracture of distal phalanx of left little finger, subsequent encounter for fracture with nonunion
S62.638K	Displaced fracture of distal phalanx of other finger, subsequent encounter for fracture with nonunion
S62.639K	Displaced fracture of distal phalanx of unspecified finger, subsequent encounter for fracture with nonunion
S62.640K	Nondisplaced fracture of proximal phalanx of right index finger, subsequent encounter for fracture with nonunion
S62.641K	Nondisplaced fracture of proximal phalanx of left index finger, subsequent encounter for fracture with nonunion
S62.642K	Nondisplaced fracture of proximal phalanx of right middle finger, subsequent encounter for fracture with nonunion
S62.643K	Nondisplaced fracture of proximal phalanx of left middle finger, subsequent encounter for fracture with nonunion
S62.644K	Nondisplaced fracture of proximal phalanx of right ring finger, subsequent encounter for fracture with nonunion
S62.645K	Nondisplaced fracture of proximal phalanx of left ring finger, subsequent encounter for fracture with nonunion
S62.646K	Nondisplaced fracture of proximal phalanx of right little finger, subsequent encounter for fracture with nonunion
S62.647K	Nondisplaced fracture of proximal phalanx of left little finger, subsequent encounter for fracture with nonunion
S62.648K	Nondisplaced fracture of proximal phalanx of other finger, subsequent encounter for fracture with nonunion
S62.649K	Nondisplaced fracture of proximal phalanx of unspecified finger, subsequent encounter for fracture with nonunion
S62.650K	Nondisplaced fracture of middle phalanx of right index finger, subsequent encounter for fracture with nonunion
S62.651K	Nondisplaced fracture of middle phalanx of left index finger, subsequent encounter for fracture with nonunion
S62.652K	Nondisplaced fracture of middle phalanx of right middle finger, subsequent encounter for fracture with nonunion
S62.653K	Nondisplaced fracture of middle phalanx of left middle finger, subsequent encounter for fracture with nonunion
S62.654K	Nondisplaced fracture of medial phalanx of right ring finger, subsequent encounter for fracture with nonunion
S62.655K	Nondisplaced fracture of medial phalanx of left ring finger, subsequent encounter for fracture with nonunion
S62.656K	Nondisplaced fracture of medial phalanx of right little finger, subsequent encounter for fracture with nonunion
S62.657K	Nondisplaced fracture of medial phalanx of left little finger, subsequent encounter for fracture with nonunion
S62.658K	Nondisplaced fracture of medial phalanx of other finger, subsequent encounter for fracture with nonunion
S62.659K	Nondisplaced fracture of medial phalanx of unspecified finger, subsequent encounter for fracture with nonunion
S62.660K	Nondisplaced fracture of distal phalanx of right index finger, subsequent encounter for fracture with nonunion
S62.661K	Nondisplaced fracture of distal phalanx of left index finger, subsequent encounter for fracture with nonunion
S62.662K	Nondisplaced fracture of distal phalanx of right middle finger, subsequent encounter for fracture with nonunion
S62.663K	Nondisplaced fracture of distal phalanx of left middle finger, subsequent encounter for fracture with nonunion
S62.664K	Nondisplaced fracture of distal phalanx of right ring finger, subsequent encounter for fracture with nonunion
S62.665K	Nondisplaced fracture of distal phalanx of left ring finger, subsequent encounter for fracture with nonunion
S62.666K	Nondisplaced fracture of distal phalanx of right little finger, subsequent encounter for fracture with nonunion



S62.667K	Nondisplaced fracture of distal phalanx of left little finger, subsequent encounter for fracture with nonunion
S62.668K	Nondisplaced fracture of distal phalanx of other finger, subsequent encounter for fracture with nonunion
S62.669K	Nondisplaced fracture of distal phalanx of unspecified finger, subsequent encounter for fracture with nonunion
S62.90XK	Unspecified fracture of unspecified wrist and hand, subsequent encounter for fracture with nonunion
S62.91XK	Unspecified fracture of right wrist and hand, subsequent encounter for fracture with nonunion
S62.92XK	Unspecified fracture of left wrist and hand, subsequent encounter for fracture with nonunion
S72.001K	Fracture of unspecified part of neck of right femur, subsequent encounter for closed fracture with nonunion
S72.001M	Fracture of unspecified part of neck of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.001N	Fracture of unspecified part of neck of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.002K	Fracture of unspecified part of neck of left femur, subsequent encounter for closed fracture with nonunion
S72.002M	Fracture of unspecified part of neck of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.002N	Fracture of unspecified part of neck of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.009K	Fracture of unspecified part of neck of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.009M	Fracture of unspecified part of neck of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.009N	Fracture of unspecified part of neck of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.011K	Unspecified intracapsular fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.011M	Unspecified intracapsular fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.011N	Unspecified intracapsular fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.012K	Unspecified intracapsular fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.012M	Unspecified intracapsular fracture of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.012N	Unspecified intracapsular fracture of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.019K	Unspecified intracapsular fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.019M	Unspecified intracapsular fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.019N	Unspecified intracapsular fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.021K	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for closed fracture with nonunion
S72.021M	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.021N	Displaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.022K	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for closed fracture with nonunion
S72.022M	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.022N	Displaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.023K	Displaced fracture of epiphysis (separation) (upper) of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.023M	Displaced fracture of epiphysis (separation) (upper) of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion

S72.023N	Displaced fracture of epiphysis (separation) (upper) of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.024K	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for closed fracture with nonunion
S72.024M	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.024N	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.025K	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for closed fracture with nonunion
S72.025M	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.025N	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.026K	Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.026M	Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.026N	Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.031K	Displaced midcervical fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.031M	Displaced midcervical fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.031N	Displaced midcervical fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.032K	Displaced midcervical fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.032M	Displaced midcervical fracture of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.032N	Displaced midcervical fracture of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.033K	Displaced midcervical fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.033M	Displaced midcervical fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.033N	Displaced midcervical fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.034K	Nondisplaced midcervical fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.034M	Nondisplaced midcervical fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.034N	Nondisplaced midcervical fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.035K	Nondisplaced midcervical fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.035M	Nondisplaced midcervical fracture of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.035N	Nondisplaced midcervical fracture of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.036K	Nondisplaced midcervical fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.036M	Nondisplaced midcervical fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.036N	Nondisplaced midcervical fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.041K	Displaced fracture of base of neck of right femur, subsequent encounter for closed fracture with nonunion
S72.041M	Displaced fracture of base of neck of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.041N	Displaced fracture of base of neck of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.042K	Displaced fracture of base of neck of left femur, subsequent encounter for closed fracture with nonunion

S72.042M	Displaced fracture of base of neck of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.042N	Displaced fracture of base of neck of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.043K	Displaced fracture of base of neck of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.043M	Displaced fracture of base of neck of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.043N	Displaced fracture of base of neck of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.044K	Nondisplaced fracture of base of neck of right femur, subsequent encounter for closed fracture with nonunion
S72.044M	Nondisplaced fracture of base of neck of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.044N	Nondisplaced fracture of base of neck of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.045K	Nondisplaced fracture of base of neck of left femur, subsequent encounter for closed fracture with nonunion
S72.045M	Nondisplaced fracture of base of neck of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.045N	Nondisplaced fracture of base of neck of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.046K	Nondisplaced fracture of base of neck of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.046M	Nondisplaced fracture of base of neck of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.046N	Nondisplaced fracture of base of neck of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.051K	Unspecified fracture of head of right femur, subsequent encounter for closed fracture with nonunion
S72.051M	Unspecified fracture of head of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.051N	Unspecified fracture of head of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.052K	Unspecified fracture of head of left femur, subsequent encounter for closed fracture with nonunion
S72.052M	Unspecified fracture of head of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.052N	Unspecified fracture of head of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.059K	Unspecified fracture of head of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.059M	Unspecified fracture of head of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.059N	Unspecified fracture of head of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.061K	Displaced articular fracture of head of right femur, subsequent encounter for closed fracture with nonunion
S72.061M	Displaced articular fracture of head of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.061N	Displaced articular fracture of head of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.062K	Displaced articular fracture of head of left femur, subsequent encounter for closed fracture with nonunion
S72.062M	Displaced articular fracture of head of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.062N	Displaced articular fracture of head of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.063K	Displaced articular fracture of head of unspecified femur, subsequent encounter for closed fracture with nonunion

S72.063M	Displaced articular fracture of head of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.063N	Displaced articular fracture of head of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.064K	Nondisplaced articular fracture of head of right femur, subsequent encounter for closed fracture with nonunion
S72.064M	Nondisplaced articular fracture of head of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.064N	Nondisplaced articular fracture of head of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.065K	Nondisplaced articular fracture of head of left femur, subsequent encounter for closed fracture with nonunion
S72.065M	Nondisplaced articular fracture of head of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.065N	Nondisplaced articular fracture of head of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.066K	Nondisplaced articular fracture of head of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.066M	Nondisplaced articular fracture of head of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.066N	Nondisplaced articular fracture of head of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.091K	Other fracture of head and neck of right femur, subsequent encounter for closed fracture with nonunion
S72.091M	Other fracture of head and neck of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.091N	Other fracture of head and neck of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.092K	Other fracture of head and neck of left femur, subsequent encounter for closed fracture with nonunion
S72.092M	Other fracture of head and neck of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.092N	Other fracture of head and neck of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.099K	Other fracture of head and neck of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.099M	Other fracture of head and neck of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.099N	Other fracture of head and neck of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.101K	Unspecified trochanteric fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.101M	Unspecified trochanteric fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.101N	Unspecified trochanteric fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.102K	Unspecified trochanteric fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.102M	Unspecified trochanteric fracture of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.102N	Unspecified trochanteric fracture of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.109K	Unspecified trochanteric fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.109M	Unspecified trochanteric fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.109N	Unspecified trochanteric fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.111K	Displaced fracture of greater trochanter of right femur, subsequent encounter for closed fracture with nonunion
S72.111M	Displaced fracture of greater trochanter of right femur, subsequent encounter for open fracture type I or ii with nonunion

S72.111N	Displaced fracture of greater trochanter of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.112K	Displaced fracture of greater trochanter of left femur, subsequent encounter for closed fracture with nonunion
S72.112M	Displaced fracture of greater trochanter of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.112N	Displaced fracture of greater trochanter of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.113K	Displaced fracture of greater trochanter of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.113M	Displaced fracture of greater trochanter of unspecified femur, subsequent encounter for open fracture type I or II with nonunion
S72.113N	Displaced fracture of greater trochanter of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.114K	Nondisplaced fracture of greater trochanter of right femur, subsequent encounter for closed fracture with nonunion
S72.114M	Nondisplaced fracture of greater trochanter of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.114N	Nondisplaced fracture of greater trochanter of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.115K	Nondisplaced fracture of greater trochanter of left femur, subsequent encounter for closed fracture with nonunion
S72.115M	Nondisplaced fracture of greater trochanter of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.115N	Nondisplaced fracture of greater trochanter of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.116K	Nondisplaced fracture of greater trochanter of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.116M	Nondisplaced fracture of greater trochanter of unspecified femur, subsequent encounter for open fracture type I or II with nonunion
S72.116N	Nondisplaced fracture of greater trochanter of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.121K	Displaced fracture of lesser trochanter of right femur, subsequent encounter for closed fracture with nonunion
S72.121M	Displaced fracture of lesser trochanter of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.121N	Displaced fracture of lesser trochanter of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.122K	Displaced fracture of lesser trochanter of left femur, subsequent encounter for closed fracture with nonunion
S72.122M	Displaced fracture of lesser trochanter of left femur, subsequent encounter for open fracture type I or II with nonunion
S72.122N	Displaced fracture of lesser trochanter of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.123K	Displaced fracture of lesser trochanter of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.123M	Displaced fracture of lesser trochanter of unspecified femur, subsequent encounter for open fracture type I or II with nonunion
S72.123N	Displaced fracture of lesser trochanter of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.124K	Nondisplaced fracture of lesser trochanter of right femur, subsequent encounter for closed fracture with nonunion
S72.124M	Nondisplaced fracture of lesser trochanter of right femur, subsequent encounter for open fracture type I or II with nonunion
S72.124N	Nondisplaced fracture of lesser trochanter of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.125K	Nondisplaced fracture of lesser trochanter of left femur, subsequent encounter for closed fracture with nonunion

S72.125M	Nondisplaced fracture of lesser trochanter of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.125N	Nondisplaced fracture of lesser trochanter of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.126K	Nondisplaced fracture of lesser trochanter of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.126M	Nondisplaced fracture of lesser trochanter of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.126N	Nondisplaced fracture of lesser trochanter of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.131K	Displaced apophyseal fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.131M	Displaced apophyseal fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.131N	Displaced apophyseal fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.132K	Displaced apophyseal fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.132M	Displaced apophyseal fracture of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.132N	Displaced apophyseal fracture of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.133K	Displaced apophyseal fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.133M	Displaced apophyseal fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.133N	Displaced apophyseal fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.134K	Nondisplaced apophyseal fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.134M	Nondisplaced apophyseal fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.134N	Nondisplaced apophyseal fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.135K	Nondisplaced apophyseal fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.135M	Nondisplaced apophyseal fracture of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.135N	Nondisplaced apophyseal fracture of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.136K	Nondisplaced apophyseal fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.136M	Nondisplaced apophyseal fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.136N	Nondisplaced apophyseal fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.141K	Displaced intertrochanteric fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.141M	Displaced intertrochanteric fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.141N	Displaced intertrochanteric fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.142K	Displaced intertrochanteric fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.142M	Displaced intertrochanteric fracture of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.142N	Displaced intertrochanteric fracture of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.143K	Displaced intertrochanteric fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.143M	Displaced intertrochanteric fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion

S72.143N	Displaced intertrochanteric fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.144K	Nondisplaced intertrochanteric fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.144M	Nondisplaced intertrochanteric fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.144N	Nondisplaced intertrochanteric fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.145K	Nondisplaced intertrochanteric fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.145M	Nondisplaced intertrochanteric fracture of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.145N	Nondisplaced intertrochanteric fracture of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.146K	Nondisplaced intertrochanteric fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.146M	Nondisplaced intertrochanteric fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.146N	Nondisplaced intertrochanteric fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.21XK	Displaced subtrochanteric fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.21XM	Displaced subtrochanteric fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.21XN	Displaced subtrochanteric fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.22XK	Displaced subtrochanteric fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.22XM	Displaced subtrochanteric fracture of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.22XN	Displaced subtrochanteric fracture of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.23XK	Displaced subtrochanteric fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.23XM	Displaced subtrochanteric fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.23XN	Displaced subtrochanteric fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.24XK	Nondisplaced subtrochanteric fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.24XM	Nondisplaced subtrochanteric fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.24XN	Nondisplaced subtrochanteric fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.25XK	Nondisplaced subtrochanteric fracture of left femur, subsequent encounter for closed fracture with nonunion
S72.25XM	Nondisplaced subtrochanteric fracture of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.25XN	Nondisplaced subtrochanteric fracture of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.26XK	Nondisplaced subtrochanteric fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.26XM	Nondisplaced subtrochanteric fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.26XN	Nondisplaced subtrochanteric fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.301K	Unspecified fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.301M	Unspecified fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion

S72.301N	Unspecified fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.302K	Unspecified fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.302M	Unspecified fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.302N	Unspecified fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.309K	Unspecified fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.309M	Unspecified fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.309N	Unspecified fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.321K	Displaced transverse fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.321M	Displaced transverse fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.321N	Displaced transverse fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.322K	Displaced transverse fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.322M	Displaced transverse fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.322N	Displaced transverse fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.323K	Displaced transverse fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.323M	Displaced transverse fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.323N	Displaced transverse fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.324K	Nondisplaced transverse fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.324M	Nondisplaced transverse fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.324N	Nondisplaced transverse fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.325K	Nondisplaced transverse fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.325M	Nondisplaced transverse fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.325N	Nondisplaced transverse fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.326K	Nondisplaced transverse fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.326M	Nondisplaced transverse fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.326N	Nondisplaced transverse fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.331K	Displaced oblique fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.331M	Displaced oblique fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.331N	Displaced oblique fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.332K	Displaced oblique fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.332M	Displaced oblique fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion



S72.332N	Displaced oblique fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.333K	Displaced oblique fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.333M	Displaced oblique fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.333N	Displaced oblique fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.334K	Nondisplaced oblique fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.334M	Nondisplaced oblique fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.334N	Nondisplaced oblique fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.335K	Nondisplaced oblique fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.335M	Nondisplaced oblique fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.335N	Nondisplaced oblique fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.336K	Nondisplaced oblique fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.336M	Nondisplaced oblique fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.336N	Nondisplaced oblique fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.341K	Displaced spiral fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.341M	Displaced spiral fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.341N	Displaced spiral fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.342K	Displaced spiral fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.342M	Displaced spiral fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.342N	Displaced spiral fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.343K	Displaced spiral fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.343M	Displaced spiral fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.343N	Displaced spiral fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.344K	Nondisplaced spiral fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.344M	Nondisplaced spiral fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.344N	Nondisplaced spiral fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.345K	Nondisplaced spiral fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.345M	Nondisplaced spiral fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.345N	Nondisplaced spiral fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.346K	Nondisplaced spiral fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.346M	Nondisplaced spiral fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion

S72.346N	Nondisplaced spiral fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.351K	Displaced comminuted fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.351M	Displaced comminuted fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.351N	Displaced comminuted fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.352K	Displaced comminuted fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.352M	Displaced comminuted fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.352N	Displaced comminuted fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.353K	Displaced comminuted fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.353M	Displaced comminuted fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.353N	Displaced comminuted fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.354K	Nondisplaced comminuted fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.354M	Nondisplaced comminuted fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.354N	Nondisplaced comminuted fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.355K	Nondisplaced comminuted fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.355M	Nondisplaced comminuted fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.355N	Nondisplaced comminuted fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.356K	Nondisplaced comminuted fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.356M	Nondisplaced comminuted fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.356N	Nondisplaced comminuted fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.361K	Displaced segmental fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.361M	Displaced segmental fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.361N	Displaced segmental fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.362K	Displaced segmental fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.362M	Displaced segmental fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.362N	Displaced segmental fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.363K	Displaced segmental fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.363M	Displaced segmental fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.363N	Displaced segmental fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.364K	Nondisplaced segmental fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion

S72.364M	Nondisplaced segmental fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.364N	Nondisplaced segmental fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.365K	Nondisplaced segmental fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.365M	Nondisplaced segmental fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.365N	Nondisplaced segmental fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.366K	Nondisplaced segmental fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.366M	Nondisplaced segmental fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.366N	Nondisplaced segmental fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.391K	Other fracture of shaft of right femur, subsequent encounter for closed fracture with nonunion
S72.391M	Other fracture of shaft of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.391N	Other fracture of shaft of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.392K	Other fracture of shaft of left femur, subsequent encounter for closed fracture with nonunion
S72.392M	Other fracture of shaft of left femur, subsequent encounter for open fracture type I or ii with nonunion
S72.392N	Other fracture of shaft of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.399K	Other fracture of shaft of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.399M	Other fracture of shaft of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.399N	Other fracture of shaft of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.401K	Unspecified fracture of lower end of right femur, subsequent encounter for closed fracture with nonunion
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
S72.402K	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
S72.409K	Unspecified fracture of lower end of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.409M	Unspecified fracture of lower end of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.409N	Unspecified fracture of lower end of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.412K	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

S72.413K	Displaced unspecified condyle fracture of lower end of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.413M	Displaced unspecified condyle fracture of lower end of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.413N	Displaced unspecified condyle fracture of lower end of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.415K	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
S72.416K	Nondisplaced unspecified condyle fracture of lower end of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.416M	Nondisplaced unspecified condyle fracture of lower end of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.416N	Nondisplaced unspecified condyle fracture of lower end of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.422K	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
S72.423K	Displaced fracture of lateral condyle of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.423M	Displaced fracture of lateral condyle of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.423N	Displaced fracture of lateral condyle of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.425K	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
S72.426K	Nondisplaced fracture of lateral condyle of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.426M	Nondisplaced fracture of lateral condyle of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion

S72.426N	Nondisplaced fracture of lateral condyle of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.432K	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
S72.433K	Displaced fracture of medial condyle of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.433M	Displaced fracture of medial condyle of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.433N	Displaced fracture of medial condyle of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.435K	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
S72.435N	Nondisplaced fracture of medial condyle of left femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.436K	Nondisplaced fracture of medial condyle of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.436M	Nondisplaced fracture of medial condyle of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.436N	Nondisplaced fracture of medial condyle of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.442K	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
S72.443K	Displaced fracture of lower epiphysis (separation) of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.443M	Displaced fracture of lower epiphysis (separation) of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.443N	Displaced fracture of lower epiphysis (separation) of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.445K	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
S72.446K	Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.446M	Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.446N	Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.452K	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
S72.453K	Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.453M	Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.453N	Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.455K	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
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
S72.456K	Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.456M	Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.456N	Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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

S72.462K	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
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
S72.463K	Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.463M	Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.463N	Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
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
S72.466K	Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.466M	Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.466N	Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.471K	Torus fracture of lower end of right femur, subsequent encounter for fracture with nonunion
S72.472K	Torus fracture of lower end of left femur, subsequent encounter for fracture with nonunion
S72.479K	Torus fracture of lower end of unspecified femur, subsequent encounter for fracture with nonunion
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
S72.492K	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
S72.499K	Other fracture of lower end of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.499M	Other fracture of lower end of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.499N	Other fracture of lower end of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.8X1K	Other fracture of right femur, subsequent encounter for closed fracture with nonunion
S72.8X1M	Other fracture of right femur, subsequent encounter for open fracture type I or ii with nonunion
S72.8X1N	Other fracture of right femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.8X2K	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
S72.8X9K	Other fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.8X9M	Other fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion

S72.8X9N	Other fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S72.90XK	Unspecified fracture of unspecified femur, subsequent encounter for closed fracture with nonunion
S72.90XM	Unspecified fracture of unspecified femur, subsequent encounter for open fracture type I or ii with nonunion
S72.90XN	Unspecified fracture of unspecified femur, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S72.92XK	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
S79.001K	Unspecified physeal fracture of upper end of right femur, subsequent encounter for fracture with nonunion
S79.002K	Unspecified physeal fracture of upper end of left femur, subsequent encounter for fracture with nonunion
S79.009K	Unspecified physeal fracture of upper end of unspecified femur, subsequent encounter for fracture with nonunion
S79.011K	Salter-Harris type I physeal fracture of upper end of right femur, subsequent encounter for fracture with nonunion
S79.012K	Salter-Harris type I physeal fracture of upper end of left femur, subsequent encounter for fracture with nonunion
S79.019K	Salter-Harris type I physeal fracture of upper end of unspecified femur, subsequent encounter for fracture with nonunion
S79.091K	Other physeal fracture of upper end of right femur, subsequent encounter for fracture with nonunion
S79.092K	Other physeal fracture of upper end of left femur, subsequent encounter for fracture with nonunion
S79.099K	Other physeal fracture of upper end of unspecified femur, subsequent encounter for fracture with nonunion
S79.101K	Unspecified physeal fracture of lower end of right femur, subsequent encounter for fracture with nonunion
S79.102K	Unspecified physeal fracture of lower end of left femur, subsequent encounter for fracture with nonunion
S79.109K	Unspecified physeal fracture of lower end of unspecified femur, subsequent encounter for fracture with nonunion
S79.111K	Salter-Harris type I physeal fracture of lower end of right femur, subsequent encounter for fracture with nonunion
S79.112K	Salter-Harris type I physeal fracture of lower end of left femur, subsequent encounter for fracture with nonunion
S79.119K	Salter-Harris type I physeal fracture of lower end of unspecified femur, subsequent encounter for fracture with nonunion
S79.121K	Salter-Harris type ii physeal fracture of lower end of right femur, subsequent encounter for fracture with nonunion
S79.122K	Salter-Harris type ii physeal fracture of lower end of left femur, subsequent encounter for fracture with nonunion
S79.129K	Salter-Harris type ii physeal fracture of lower end of unspecified femur, subsequent encounter for fracture with nonunion
S79.131K	Salter-Harris type iii physeal fracture of lower end of right femur, subsequent encounter for fracture with nonunion
S79.132K	Salter-Harris type iii physeal fracture of lower end of left femur, subsequent encounter for fracture with nonunion
S79.139K	Salter-Harris type iii physeal fracture of lower end of unspecified femur, subsequent encounter for fracture with nonunion
S79.141K	Salter-Harris type iv physeal fracture of lower end of right femur, subsequent encounter for fracture with nonunion
S79.142K	Salter-Harris type iv physeal fracture of lower end of left femur, subsequent encounter for fracture with nonunion
S79.149K	Salter-Harris type iv physeal fracture of lower end of unspecified femur, subsequent encounter for fracture with nonunion



S79.191K	Other physeal fracture of lower end of right femur, subsequent encounter for fracture with nonunion
S79.192K	Other physeal fracture of lower end of left femur, subsequent encounter for fracture with nonunion
S79.199K	Other physeal fracture of lower end of unspecified femur, subsequent encounter for fracture with nonunion
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
S82.102K	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
S82.109K	Unspecified fracture of upper end of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.109M	Unspecified fracture of upper end of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.109N	Unspecified fracture of upper end of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.111K	Displaced fracture of right tibial spine, subsequent encounter for closed fracture with nonunion
S82.111M	Displaced fracture of right tibial spine, subsequent encounter for open fracture type I or ii with nonunion
S82.111N	Displaced fracture of right tibial spine, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.112K	Displaced fracture of left tibial spine, subsequent encounter for closed fracture with nonunion
S82.112M	Displaced fracture of left tibial spine, subsequent encounter for open fracture type I or ii with nonunion
S82.112N	Displaced fracture of left tibial spine, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.113K	Displaced fracture of unspecified tibial spine, subsequent encounter for closed fracture with nonunion
S82.113M	Displaced fracture of unspecified tibial spine, subsequent encounter for open fracture type I or ii with nonunion
S82.113N	Displaced fracture of unspecified tibial spine, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.114K	Nondisplaced fracture of right tibial spine, subsequent encounter for closed fracture with nonunion
S82.114M	Nondisplaced fracture of right tibial spine, subsequent encounter for open fracture type I or ii with nonunion
S82.114N	Nondisplaced fracture of right tibial spine, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.115K	Nondisplaced fracture of left tibial spine, subsequent encounter for closed fracture with nonunion
S82.115M	Nondisplaced fracture of left tibial spine, subsequent encounter for open fracture type I or ii with nonunion
S82.115N	Nondisplaced fracture of left tibial spine, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.116K	Nondisplaced fracture of unspecified tibial spine, subsequent encounter for closed fracture with nonunion
S82.116M	Nondisplaced fracture of unspecified tibial spine, subsequent encounter for open fracture type I or ii with nonunion
S82.116N	Nondisplaced fracture of unspecified tibial spine, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.121K	Displaced fracture of lateral condyle of right tibia, subsequent encounter for closed fracture with nonunion
S82.121M	Displaced fracture of lateral condyle of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.121N	Displaced fracture of lateral condyle of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.122K	Displaced fracture of lateral condyle of left tibia, subsequent encounter for closed fracture with nonunion
S82.122M	Displaced fracture of lateral condyle of left tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.122N	Displaced fracture of lateral condyle of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion

S82.123K	Displaced fracture of lateral condyle of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.123M	Displaced fracture of lateral condyle of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.123N	Displaced fracture of lateral condyle of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.124K	Nondisplaced fracture of lateral condyle of right tibia, subsequent encounter for closed fracture with nonunion
S82.124M	Nondisplaced fracture of lateral condyle of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.124N	Nondisplaced fracture of lateral condyle of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.125K	Nondisplaced fracture of lateral condyle of left tibia, subsequent encounter for closed fracture with nonunion
S82.125M	Nondisplaced fracture of lateral condyle of left tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.125N	Nondisplaced fracture of lateral condyle of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.126K	Nondisplaced fracture of lateral condyle of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.126M	Nondisplaced fracture of lateral condyle of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.126N	Nondisplaced fracture of lateral condyle of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.131K	Displaced fracture of medial condyle of right tibia, subsequent encounter for closed fracture with nonunion
S82.131M	Displaced fracture of medial condyle of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.131N	Displaced fracture of medial condyle of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.132K	Displaced fracture of medial condyle of left tibia, subsequent encounter for closed fracture with nonunion
S82.132M	Displaced fracture of medial condyle of left tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.132N	Displaced fracture of medial condyle of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.133K	Displaced fracture of medial condyle of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.133M	Displaced fracture of medial condyle of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.133N	Displaced fracture of medial condyle of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.134K	Nondisplaced fracture of medial condyle of right tibia, subsequent encounter for closed fracture with nonunion
S82.134M	Nondisplaced fracture of medial condyle of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.134N	Nondisplaced fracture of medial condyle of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.135K	Nondisplaced fracture of medial condyle of left tibia, subsequent encounter for closed fracture with nonunion
S82.135M	Nondisplaced fracture of medial condyle of left tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.135N	Nondisplaced fracture of medial condyle of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.136K	Nondisplaced fracture of medial condyle of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.136M	Nondisplaced fracture of medial condyle of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion

S82.136N	Nondisplaced fracture of medial condyle of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.141K	Displaced bicondylar fracture of right tibia, subsequent encounter for closed fracture with nonunion
S82.141M	Displaced bicondylar fracture of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.141N	Displaced bicondylar fracture of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.142K	Displaced bicondylar fracture of left tibia, subsequent encounter for closed fracture with nonunion
S82.142M	Displaced bicondylar fracture of left tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.142N	Displaced bicondylar fracture of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.143K	Displaced bicondylar fracture of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.143M	Displaced bicondylar fracture of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.143N	Displaced bicondylar fracture of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.144K	Nondisplaced bicondylar fracture of right tibia, subsequent encounter for closed fracture with nonunion
S82.144M	Nondisplaced bicondylar fracture of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.144N	Nondisplaced bicondylar fracture of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.145K	Nondisplaced bicondylar fracture of left tibia, subsequent encounter for closed fracture with nonunion
S82.152M	Displaced fracture of left tibial tuberosity, subsequent encounter for open fracture type I or ii with nonunion
S82.152N	Displaced fracture of left tibial tuberosity, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.153K	Displaced fracture of unspecified tibial tuberosity, subsequent encounter for closed fracture with nonunion
S82.153M	Displaced fracture of unspecified tibial tuberosity, subsequent encounter for open fracture type I or ii with nonunion
S82.153N	Displaced fracture of unspecified tibial tuberosity, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.154K	Nondisplaced fracture of right tibial tuberosity, subsequent encounter for closed fracture with nonunion
S82.154M	Nondisplaced fracture of right tibial tuberosity, subsequent encounter for open fracture type I or ii with nonunion
S82.154N	Nondisplaced fracture of right tibial tuberosity, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.155K	Nondisplaced fracture of left tibial tuberosity, subsequent encounter for closed fracture with nonunion
S82.155M	Nondisplaced fracture of left tibial tuberosity, subsequent encounter for open fracture type I or ii with nonunion
S82.155N	Nondisplaced fracture of left tibial tuberosity, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.156K	Nondisplaced fracture of unspecified tibial tuberosity, subsequent encounter for closed fracture with nonunion
S82.156M	Nondisplaced fracture of unspecified tibial tuberosity, subsequent encounter for open fracture type I or ii with nonunion
S82.156N	Nondisplaced fracture of unspecified tibial tuberosity, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.161K	Torus fracture of upper end of right tibia, subsequent encounter for fracture with nonunion
S82.162K	Torus fracture of upper end of left tibia, subsequent encounter for fracture with nonunion
S82.169K	Torus fracture of upper end of unspecified tibia, subsequent encounter for fracture with nonunion
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

S82.192K	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
S82.199K	Other fracture of upper end of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.199M	Other fracture of upper end of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.199N	Other fracture of upper end of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.202K	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
S82.202N	Unspecified fracture of shaft of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.209K	Unspecified fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.209M	Unspecified fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.209N	Unspecified fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.222K	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
S82.223K	Displaced transverse fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.223M	Displaced transverse fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.223N	Displaced transverse fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.225K	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
S82.226K	Nondisplaced transverse fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.226M	Nondisplaced transverse fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.226N	Nondisplaced transverse fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion

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
S82.232K	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
S82.232N	Displaced oblique fracture of shaft of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.233K	Displaced oblique fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.233M	Displaced oblique fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.233N	Displaced oblique fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.235K	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
S82.236K	Nondisplaced oblique fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.236M	Nondisplaced oblique fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.236N	Nondisplaced oblique fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.242K	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
S82.243K	Displaced spiral fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.243M	Displaced spiral fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.243N	Displaced spiral fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.245K	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
S82.246K	Nondisplaced spiral fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.246M	Nondisplaced spiral fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or II with nonunion
S82.246N	Nondisplaced spiral fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.252K	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
S82.253K	Displaced comminuted fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.253M	Displaced comminuted fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or II with nonunion
S82.253N	Displaced comminuted fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.255K	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
S82.256K	Nondisplaced comminuted fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.256M	Nondisplaced comminuted fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or II with nonunion
S82.256N	Nondisplaced comminuted fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.262K	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
S82.262N	Displaced segmental fracture of shaft of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.263K	Displaced segmental fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion

S82.263M	Displaced segmental fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.263N	Displaced segmental fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.265K	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
S82.266K	Nondisplaced segmental fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.266M	Nondisplaced segmental fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.266N	Nondisplaced segmental fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.292K	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
S82.299K	Other fracture of shaft of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.299M	Other fracture of shaft of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.299N	Other fracture of shaft of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.301K	Unspecified fracture of lower end of right tibia, subsequent encounter for closed fracture with nonunion
S82.301M	Unspecified fracture of lower end of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.301N	Unspecified fracture of lower end of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.302K	Unspecified fracture of lower end of left tibia, subsequent encounter for closed fracture with nonunion
S82.302M	Unspecified fracture of lower end of left tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.302N	Unspecified fracture of lower end of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.309K	Unspecified fracture of lower end of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.309M	Unspecified fracture of lower end of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.309N	Unspecified fracture of lower end of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.311K	Torus fracture of lower end of right tibia, subsequent encounter for fracture with nonunion
S82.312K	Torus fracture of lower end of left tibia, subsequent encounter for fracture with nonunion
S82.319K	Torus fracture of lower end of unspecified tibia, subsequent encounter for fracture with nonunion
S82.391K	Other fracture of lower end of right tibia, subsequent encounter for closed fracture with nonunion
S82.391M	Other fracture of lower end of right tibia, subsequent encounter for open fracture type I or ii with nonunion

S82.391N	Other fracture of lower end of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.392K	Other fracture of lower end of left tibia, subsequent encounter for closed fracture with nonunion
S82.392M	Other fracture of lower end of left tibia, subsequent encounter for open fracture type I or II with nonunion
S82.392N	Other fracture of lower end of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.399K	Other fracture of lower end of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.399M	Other fracture of lower end of unspecified tibia, subsequent encounter for open fracture type I or II with nonunion
S82.399N	Other fracture of lower end of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.401K	Unspecified fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.401M	Unspecified fracture of shaft of right fibula, subsequent encounter for open fracture type I or II with nonunion
S82.401N	Unspecified fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.402K	Unspecified fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.402M	Unspecified fracture of shaft of left fibula, subsequent encounter for open fracture type I or II with nonunion
S82.402N	Unspecified fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.409K	Unspecified fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.409M	Unspecified fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or II with nonunion
S82.409N	Unspecified fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.421K	Displaced transverse fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.421M	Displaced transverse fracture of shaft of right fibula, subsequent encounter for open fracture type I or II with nonunion
S82.421N	Displaced transverse fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.422K	Displaced transverse fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.422M	Displaced transverse fracture of shaft of left fibula, subsequent encounter for open fracture type I or II with nonunion
S82.422N	Displaced transverse fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.423K	Displaced transverse fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.423M	Displaced transverse fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or II with nonunion
S82.423N	Displaced transverse fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.424K	Nondisplaced transverse fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.424M	Nondisplaced transverse fracture of shaft of right fibula, subsequent encounter for open fracture type I or II with nonunion
S82.424N	Nondisplaced transverse fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.425K	Nondisplaced transverse fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.425M	Nondisplaced transverse fracture of shaft of left fibula, subsequent encounter for open fracture type I or II with nonunion
S82.425N	Nondisplaced transverse fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion



S82.426K	Nondisplaced transverse fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.426M	Nondisplaced transverse fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.426N	Nondisplaced transverse fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.431K	Displaced oblique fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.431M	Displaced oblique fracture of shaft of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.431N	Displaced oblique fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.432K	Displaced oblique fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.432M	Displaced oblique fracture of shaft of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.432N	Displaced oblique fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.433K	Displaced oblique fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.433M	Displaced oblique fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.433N	Displaced oblique fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.434K	Nondisplaced oblique fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.434M	Nondisplaced oblique fracture of shaft of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.434N	Nondisplaced oblique fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.435K	Nondisplaced oblique fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.435M	Nondisplaced oblique fracture of shaft of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.435N	Nondisplaced oblique fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.436K	Nondisplaced oblique fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.436M	Nondisplaced oblique fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.436N	Nondisplaced oblique fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.441K	Displaced spiral fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.441M	Displaced spiral fracture of shaft of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.441N	Displaced spiral fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.442K	Displaced spiral fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.442M	Displaced spiral fracture of shaft of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.442N	Displaced spiral fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.443K	Displaced spiral fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.443M	Displaced spiral fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.443N	Displaced spiral fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.444K	Nondisplaced spiral fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion

S82.444M	Nondisplaced spiral fracture of shaft of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.444N	Nondisplaced spiral fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.445K	Nondisplaced spiral fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.445M	Nondisplaced spiral fracture of shaft of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.445N	Nondisplaced spiral fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.446K	Nondisplaced spiral fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.446M	Nondisplaced spiral fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.446N	Nondisplaced spiral fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.451K	Displaced comminuted fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.451M	Displaced comminuted fracture of shaft of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.451N	Displaced comminuted fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.452K	Displaced comminuted fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.452M	Displaced comminuted fracture of shaft of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.452N	Displaced comminuted fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.453K	Displaced comminuted fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.453M	Displaced comminuted fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.453N	Displaced comminuted fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.454K	Nondisplaced comminuted fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.454M	Nondisplaced comminuted fracture of shaft of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.454N	Nondisplaced comminuted fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.455K	Nondisplaced comminuted fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.455M	Nondisplaced comminuted fracture of shaft of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.455N	Nondisplaced comminuted fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.456K	Nondisplaced comminuted fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.456M	Nondisplaced comminuted fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.456N	Nondisplaced comminuted fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.461K	Displaced segmental fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.461M	Displaced segmental fracture of shaft of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.461N	Displaced segmental fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion

S82.462K	Displaced segmental fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.462M	Displaced segmental fracture of shaft of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.462N	Displaced segmental fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.463K	Displaced segmental fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.463M	Displaced segmental fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.463N	Displaced segmental fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.464K	Nondisplaced segmental fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.464M	Nondisplaced segmental fracture of shaft of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.464N	Nondisplaced segmental fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.465K	Nondisplaced segmental fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.465M	Nondisplaced segmental fracture of shaft of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.465N	Nondisplaced segmental fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.466K	Nondisplaced segmental fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.466M	Nondisplaced segmental fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.466N	Nondisplaced segmental fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.491K	Other fracture of shaft of right fibula, subsequent encounter for closed fracture with nonunion
S82.491M	Other fracture of shaft of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.491N	Other fracture of shaft of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.492K	Other fracture of shaft of left fibula, subsequent encounter for closed fracture with nonunion
S82.492M	Other fracture of shaft of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.492N	Other fracture of shaft of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.499K	Other fracture of shaft of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.499M	Other fracture of shaft of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.499N	Other fracture of shaft of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.51XK	Displaced fracture of medial malleolus of right tibia, subsequent encounter for closed fracture with nonunion
S82.51XM	Displaced fracture of medial malleolus of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.51XN	Displaced fracture of medial malleolus of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.52XK	Displaced fracture of medial malleolus of left tibia, subsequent encounter for closed fracture with nonunion
S82.52XM	Displaced fracture of medial malleolus of left tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.52XN	Displaced fracture of medial malleolus of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.53XK	Displaced fracture of medial malleolus of unspecified tibia, subsequent encounter for closed fracture with nonunion

S82.53XM	Displaced fracture of medial malleolus of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.53XN	Displaced fracture of medial malleolus of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.54XK	Nondisplaced fracture of medial malleolus of right tibia, subsequent encounter for closed fracture with nonunion
S82.54XM	Nondisplaced fracture of medial malleolus of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.54XN	Nondisplaced fracture of medial malleolus of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.55XK	Nondisplaced fracture of medial malleolus of left tibia, subsequent encounter for closed fracture with nonunion
S82.55XM	Nondisplaced fracture of medial malleolus of left tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.55XN	Nondisplaced fracture of medial malleolus of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.56XK	Nondisplaced fracture of medial malleolus of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.56XM	Nondisplaced fracture of medial malleolus of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.56XN	Nondisplaced fracture of medial malleolus of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.61XK	Displaced fracture of lateral malleolus of right fibula, subsequent encounter for closed fracture with nonunion
S82.61XM	Displaced fracture of lateral malleolus of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.61XN	Displaced fracture of lateral malleolus of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.62XK	Displaced fracture of lateral malleolus of left fibula, subsequent encounter for closed fracture with nonunion
S82.62XM	Displaced fracture of lateral malleolus of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.62XN	Displaced fracture of lateral malleolus of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.63XK	Displaced fracture of lateral malleolus of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.63XM	Displaced fracture of lateral malleolus of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.63XN	Displaced fracture of lateral malleolus of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.64XK	Nondisplaced fracture of lateral malleolus of right fibula, subsequent encounter for closed fracture with nonunion
S82.64XM	Nondisplaced fracture of lateral malleolus of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.64XN	Nondisplaced fracture of lateral malleolus of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.65XK	Nondisplaced fracture of lateral malleolus of left fibula, subsequent encounter for closed fracture with nonunion
S82.65XM	Nondisplaced fracture of lateral malleolus of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.65XN	Nondisplaced fracture of lateral malleolus of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.66XK	Nondisplaced fracture of lateral malleolus of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.66XM	Nondisplaced fracture of lateral malleolus of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.66XN	Nondisplaced fracture of lateral malleolus of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion

S82.90XK	Unspecified fracture of unspecified lower leg, subsequent encounter for closed fracture with nonunion
S82.90XM	Unspecified fracture of unspecified lower leg, subsequent encounter for open fracture type I or ii with nonunion
S82.90XN	Unspecified fracture of unspecified lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.92XK	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
S82.811K	Torus fracture of upper end of right fibula, subsequent encounter for fracture with nonunion
S82.812K	Torus fracture of upper end of left fibula, subsequent encounter for fracture with nonunion
S82.819K	Torus fracture of upper end of unspecified fibula, subsequent encounter for fracture with nonunion
S82.821K	Torus fracture of lower end of right fibula, subsequent encounter for fracture with nonunion
S82.822K	Torus fracture of lower end of left fibula, subsequent encounter for fracture with nonunion
S82.829K	Torus fracture of lower end of unspecified fibula, subsequent encounter for fracture with nonunion
S82.831K	Other fracture of upper and lower end of right fibula, subsequent encounter for closed fracture with nonunion
S82.831M	Other fracture of upper and lower end of right fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.831N	Other fracture of upper and lower end of right fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.832K	Other fracture of upper and lower end of left fibula, subsequent encounter for closed fracture with nonunion
S82.832M	Other fracture of upper and lower end of left fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.832N	Other fracture of upper and lower end of left fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.839K	Other fracture of upper and lower end of unspecified fibula, subsequent encounter for closed fracture with nonunion
S82.839M	Other fracture of upper and lower end of unspecified fibula, subsequent encounter for open fracture type I or ii with nonunion
S82.839N	Other fracture of upper and lower end of unspecified fibula, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.841K	Displaced bimalleolar fracture of right lower leg, subsequent encounter for closed fracture with nonunion
S82.841M	Displaced bimalleolar fracture of right lower leg, subsequent encounter for open fracture type I or ii with nonunion
S82.841N	Displaced bimalleolar fracture of right lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.842K	Displaced bimalleolar fracture of left lower leg, subsequent encounter for closed fracture with nonunion
S82.842M	Displaced bimalleolar fracture of left lower leg, subsequent encounter for open fracture type I or ii with nonunion
S82.842N	Displaced bimalleolar fracture of left lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.843K	Displaced bimalleolar fracture of unspecified lower leg, subsequent encounter for closed fracture with nonunion
S82.843M	Displaced bimalleolar fracture of unspecified lower leg, subsequent encounter for open fracture type I or ii with nonunion
S82.843N	Displaced bimalleolar fracture of unspecified lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.844K	Nondisplaced bimalleolar fracture of right lower leg, subsequent encounter for closed fracture with nonunion
S82.844M	Nondisplaced bimalleolar fracture of right lower leg, subsequent encounter for open fracture type I or ii with nonunion

S82.844N	Nondisplaced bimalleolar fracture of right lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.845K	Nondisplaced bimalleolar fracture of left lower leg, subsequent encounter for closed fracture with nonunion
S82.845M	Nondisplaced bimalleolar fracture of left lower leg, subsequent encounter for open fracture type I or II with nonunion
S82.845N	Nondisplaced bimalleolar fracture of left lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.846K	Nondisplaced bimalleolar fracture of unspecified lower leg, subsequent encounter for closed fracture with nonunion
S82.846M	Nondisplaced bimalleolar fracture of unspecified lower leg, subsequent encounter for open fracture type I or II with nonunion
S82.846N	Nondisplaced bimalleolar fracture of unspecified lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.851K	Displaced trimalleolar fracture of right lower leg, subsequent encounter for closed fracture with nonunion
S82.851M	Displaced trimalleolar fracture of right lower leg, subsequent encounter for open fracture type I or II with nonunion
S82.851N	Displaced trimalleolar fracture of right lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.852K	Displaced trimalleolar fracture of left lower leg, subsequent encounter for closed fracture with nonunion
S82.852M	Displaced trimalleolar fracture of left lower leg, subsequent encounter for open fracture type I or II with nonunion
S82.852N	Displaced trimalleolar fracture of left lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.853K	Displaced trimalleolar fracture of unspecified lower leg, subsequent encounter for closed fracture with nonunion
S82.853M	Displaced trimalleolar fracture of unspecified lower leg, subsequent encounter for open fracture type I or II with nonunion
S82.853N	Displaced trimalleolar fracture of unspecified lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.854K	Nondisplaced trimalleolar fracture of right lower leg, subsequent encounter for closed fracture with nonunion
S82.854M	Nondisplaced trimalleolar fracture of right lower leg, subsequent encounter for open fracture type I or II with nonunion
S82.854N	Nondisplaced trimalleolar fracture of right lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.855K	Nondisplaced trimalleolar fracture of left lower leg, subsequent encounter for closed fracture with nonunion
S82.855M	Nondisplaced trimalleolar fracture of left lower leg, subsequent encounter for open fracture type I or II with nonunion
S82.855N	Nondisplaced trimalleolar fracture of left lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.856K	Nondisplaced trimalleolar fracture of unspecified lower leg, subsequent encounter for closed fracture with nonunion
S82.856M	Nondisplaced trimalleolar fracture of unspecified lower leg, subsequent encounter for open fracture type I or II with nonunion
S82.856N	Nondisplaced trimalleolar fracture of unspecified lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.861K	Displaced Maisonneuve's fracture of right leg, subsequent encounter for closed fracture with nonunion
S82.861M	Displaced Maisonneuve's fracture of right leg, subsequent encounter for open fracture type I or II with nonunion
S82.861N	Displaced Maisonneuve's fracture of right leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.862K	Displaced Maisonneuve's fracture of left leg, subsequent encounter for closed fracture with nonunion
S82.862M	Displaced Maisonneuve's fracture of left leg, subsequent encounter for open fracture type I or II with nonunion
S82.862N	Displaced Maisonneuve's fracture of left leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion

S82.863K	Displaced Maisonneuve's fracture of unspecified leg, subsequent encounter for closed fracture with nonunion
S82.863M	Displaced Maisonneuve's fracture of unspecified leg, subsequent encounter for open fracture type I or ii with nonunion
S82.863N	Displaced Maisonneuve's fracture of unspecified leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.864K	Nondisplaced Maisonneuve's fracture of right leg, subsequent encounter for closed fracture with nonunion
S82.864M	Nondisplaced Maisonneuve's fracture of right leg, subsequent encounter for open fracture type I or ii with nonunion
S82.864N	Nondisplaced Maisonneuve's fracture of right leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.865K	Nondisplaced Maisonneuve's fracture of left leg, subsequent encounter for closed fracture with nonunion
S82.865M	Nondisplaced Maisonneuve's fracture of left leg, subsequent encounter for open fracture type I or ii with nonunion
S82.865N	Nondisplaced Maisonneuve's fracture of left leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.866K	Nondisplaced Maisonneuve's fracture of unspecified leg, subsequent encounter for closed fracture with nonunion
S82.866M	Nondisplaced Maisonneuve's fracture of unspecified leg, subsequent encounter for open fracture type I or ii with nonunion
S82.866N	Nondisplaced Maisonneuve's fracture of unspecified leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.871K	Displaced Pilon fracture of right tibia, subsequent encounter for closed fracture with nonunion
S82.871M	Displaced Pilon fracture of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.871N	Displaced Pilon fracture of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.872K	Displaced Pilon fracture of left tibia, subsequent encounter for closed fracture with nonunion
S82.872M	Displaced Pilon fracture of left tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.872N	Displaced Pilon fracture of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.873K	Displaced Pilon fracture of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.873M	Displaced Pilon fracture of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.873N	Displaced Pilon fracture of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.874K	Nondisplaced Pilon fracture of right tibia, subsequent encounter for closed fracture with nonunion
S82.874M	Nondisplaced Pilon fracture of right tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.874N	Nondisplaced Pilon fracture of right tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.875K	Nondisplaced Pilon fracture of left tibia, subsequent encounter for closed fracture with nonunion
S82.875M	Nondisplaced Pilon fracture of left tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.875N	Nondisplaced Pilon fracture of left tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S82.876K	Nondisplaced Pilon fracture of unspecified tibia, subsequent encounter for closed fracture with nonunion
S82.876M	Nondisplaced Pilon fracture of unspecified tibia, subsequent encounter for open fracture type I or ii with nonunion
S82.876N	Nondisplaced Pilon fracture of unspecified tibia, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
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
S82.892K	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

S82.899K	Other fracture of unspecified lower leg, subsequent encounter for closed fracture with nonunion
S82.899M	Other fracture of unspecified lower leg, subsequent encounter for open fracture type I or II with nonunion
S82.899N	Other fracture of unspecified lower leg, subsequent encounter for open fracture type IIIa, IIIb, or IIIc with nonunion
S89.001K	Unspecified physeal fracture of upper end of right tibia, subsequent encounter for fracture with nonunion
S89.002K	Unspecified physeal fracture of upper end of left tibia, subsequent encounter for fracture with nonunion
S89.009K	Unspecified physeal fracture of upper end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.011K	Salter-Harris type I physeal fracture of upper end of right tibia, subsequent encounter for fracture with nonunion
S89.012K	Salter-Harris type I physeal fracture of upper end of left tibia, subsequent encounter for fracture with nonunion
S89.019K	Salter-Harris type I physeal fracture of upper end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.021K	Salter-Harris type II physeal fracture of upper end of right tibia, subsequent encounter for fracture with nonunion
S89.022K	Salter-Harris type II physeal fracture of upper end of left tibia, subsequent encounter for fracture with nonunion
S89.029K	Salter-Harris type II physeal fracture of upper end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.031K	Salter-Harris type III physeal fracture of upper end of right tibia, subsequent encounter for fracture with nonunion
S89.032K	Salter-Harris type III physeal fracture of upper end of left tibia, subsequent encounter for fracture with nonunion
S89.039K	Salter-Harris type III physeal fracture of upper end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.041K	Salter-Harris type IV physeal fracture of upper end of right tibia, subsequent encounter for fracture with nonunion
S89.042K	Salter-Harris type IV physeal fracture of upper end of left tibia, subsequent encounter for fracture with nonunion
S89.049K	Salter-Harris type IV physeal fracture of upper end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.091K	Other physeal fracture of upper end of right tibia, subsequent encounter for fracture with nonunion
S89.092K	Other physeal fracture of upper end of left tibia, subsequent encounter for fracture with nonunion
S89.099K	Other physeal fracture of upper end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.101K	Unspecified physeal fracture of lower end of right tibia, subsequent encounter for fracture with nonunion
S89.102K	Unspecified physeal fracture of lower end of left tibia, subsequent encounter for fracture with nonunion
S89.109K	Unspecified physeal fracture of lower end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.111K	Salter-Harris type I physeal fracture of lower end of right tibia, subsequent encounter for fracture with nonunion
S89.112K	Salter-Harris type I physeal fracture of lower end of left tibia, subsequent encounter for fracture with nonunion
S89.119K	Salter-Harris type I physeal fracture of lower end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.121K	Salter-Harris type II physeal fracture of lower end of right tibia, subsequent encounter for fracture with nonunion
S89.122K	Salter-Harris type II physeal fracture of lower end of left tibia, subsequent encounter for fracture with nonunion
S89.129K	Salter-Harris type II physeal fracture of lower end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.131K	Salter-Harris type III physeal fracture of lower end of right tibia, subsequent encounter for fracture with nonunion
S89.132K	Salter-Harris type III physeal fracture of lower end of left tibia, subsequent encounter for fracture with nonunion
S89.139K	Salter-Harris type III physeal fracture of lower end of unspecified tibia, subsequent encounter for fracture with nonunion



S89.141K	Salter-Harris type iv physeal fracture of lower end of right tibia, subsequent encounter for fracture with nonunion
S89.142K	Salter-Harris type iv physeal fracture of lower end of left tibia, subsequent encounter for fracture with nonunion
S89.149K	Salter-Harris type iv physeal fracture of lower end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.191K	Other physeal fracture of lower end of right tibia, subsequent encounter for fracture with nonunion
S89.192K	Other physeal fracture of lower end of left tibia, subsequent encounter for fracture with nonunion
S89.199K	Other physeal fracture of lower end of unspecified tibia, subsequent encounter for fracture with nonunion
S89.201K	Unspecified physeal fracture of upper end of right fibula, subsequent encounter for fracture with nonunion
S89.202K	Unspecified physeal fracture of upper end of left fibula, subsequent encounter for fracture with nonunion
S89.209K	Unspecified physeal fracture of upper end of unspecified fibula, subsequent encounter for fracture with nonunion
S89.211K	Salter-Harris type I physeal fracture of upper end of right fibula, subsequent encounter for fracture with nonunion
S89.212K	Salter-Harris type I physeal fracture of upper end of left fibula, subsequent encounter for fracture with nonunion
S89.219K	Salter-Harris type I physeal fracture of upper end of unspecified fibula, subsequent encounter for fracture with nonunion
S89.221K	Salter-Harris type ii physeal fracture of upper end of right fibula, subsequent encounter for fracture with nonunion
S89.222K	Salter-Harris type ii physeal fracture of upper end of left fibula, subsequent encounter for fracture with nonunion
S89.229K	Salter-Harris type ii physeal fracture of upper end of unspecified fibula, subsequent encounter for fracture with nonunion
S89.291K	Other physeal fracture of upper end of right fibula, subsequent encounter for fracture with nonunion
S89.292K	Other physeal fracture of upper end of left fibula, subsequent encounter for fracture with nonunion
S89.299K	Other physeal fracture of upper end of unspecified fibula, subsequent encounter for fracture with nonunion
S89.301K	Unspecified physeal fracture of lower end of right fibula, subsequent encounter for fracture with nonunion
S89.302K	Unspecified physeal fracture of lower end of left fibula, subsequent encounter for fracture with nonunion
S89.309K	Unspecified physeal fracture of lower end of unspecified fibula, subsequent encounter for fracture with nonunion
S89.311K	Salter-Harris type I physeal fracture of lower end of right fibula, subsequent encounter for fracture with nonunion
S89.312K	Salter-Harris type I physeal fracture of lower end of left fibula, subsequent encounter for fracture with nonunion
S89.319K	Salter-Harris type I physeal fracture of lower end of unspecified fibula, subsequent encounter for fracture with nonunion
S89.321K	Salter-Harris type ii physeal fracture of lower end of right fibula, subsequent encounter for fracture with nonunion
S89.322K	Salter-Harris type ii physeal fracture of lower end of left fibula, subsequent encounter for fracture with nonunion
S89.329K	Salter-Harris type ii physeal fracture of lower end of unspecified fibula, subsequent encounter for fracture with nonunion
S89.391K	Other physeal fracture of lower end of right fibula, subsequent encounter for fracture with nonunion
S89.392K	Other physeal fracture of lower end of left fibula, subsequent encounter for fracture with nonunion
S89.399K	Other physeal fracture of lower end of unspecified fibula, subsequent encounter for fracture with nonunion
S92.301K	Fracture of unspecified metatarsal bone(s), right foot, subsequent encounter for fracture with nonunion
S92.302K	Fracture of unspecified metatarsal bone(s), left foot, subsequent encounter for fracture with nonunion
S92.309K	Fracture of unspecified metatarsal bone(s), unspecified foot, subsequent encounter for fracture with nonunion
S92.311K	Displaced fracture of first metatarsal bone, right foot, subsequent encounter for fracture with nonunion
S92.312K	Displaced fracture of first metatarsal bone, left foot, subsequent encounter for fracture with nonunion
S92.313K	Displaced fracture of first metatarsal bone, unspecified foot, subsequent encounter for fracture with nonunion

S92.314K	Nondisplaced fracture of first metatarsal bone, right foot, subsequent encounter for fracture with nonunion
S92.315K	Nondisplaced fracture of first metatarsal bone, left foot, subsequent encounter for fracture with nonunion
S92.316K	Nondisplaced fracture of first metatarsal bone, unspecified foot, subsequent encounter for fracture with nonunion
S92.321K	Displaced fracture of second metatarsal bone, right foot, subsequent encounter for fracture with nonunion
S92.322K	Displaced fracture of second metatarsal bone, left foot, subsequent encounter for fracture with nonunion
S92.323K	Displaced fracture of second metatarsal bone, unspecified foot, subsequent encounter for fracture with nonunion
S92.324K	Nondisplaced fracture of second metatarsal bone, right foot, subsequent encounter for fracture with nonunion
S92.325K	Nondisplaced fracture of second metatarsal bone, left foot, subsequent encounter for fracture with nonunion
S92.326K	Nondisplaced fracture of second metatarsal bone, unspecified foot, subsequent encounter for fracture with nonunion
S92.331K	Displaced fracture of third metatarsal bone, right foot, subsequent encounter for fracture with nonunion
S92.332K	Displaced fracture of third metatarsal bone, left foot, subsequent encounter for fracture with nonunion
S92.333K	Displaced fracture of third metatarsal bone, unspecified foot, subsequent encounter for fracture with nonunion
S92.334K	Nondisplaced fracture of third metatarsal bone, right foot, subsequent encounter for fracture with nonunion
S92.335K	Nondisplaced fracture of third metatarsal bone, left foot, subsequent encounter for fracture with nonunion
S92.336K	Nondisplaced fracture of third metatarsal bone, unspecified foot, subsequent encounter for fracture with nonunion
S92.341K	Displaced fracture of fourth metatarsal bone, right foot, subsequent encounter for fracture with nonunion
S92.342K	Displaced fracture of fourth metatarsal bone, left foot, subsequent encounter for fracture with nonunion
S92.343K	Displaced fracture of fourth metatarsal bone, unspecified foot, subsequent encounter for fracture with nonunion
S92.344K	Nondisplaced fracture of fourth metatarsal bone, right foot, subsequent encounter for fracture with nonunion
S92.345K	Nondisplaced fracture of fourth metatarsal bone, left foot, subsequent encounter for fracture with nonunion
S92.346K	Nondisplaced fracture of fourth metatarsal bone, unspecified foot, subsequent encounter for fracture with nonunion
S92.351K	Displaced fracture of fifth metatarsal bone, right foot, subsequent encounter for fracture with nonunion
S92.352K	Displaced fracture of fifth metatarsal bone, left foot, subsequent encounter for fracture with nonunion
S92.353K	Displaced fracture of fifth metatarsal bone, unspecified foot, subsequent encounter for fracture with nonunion
S92.354K	Nondisplaced fracture of fifth metatarsal bone, right foot, subsequent encounter for fracture with nonunion
S92.355K	Nondisplaced fracture of fifth metatarsal bone, left foot, subsequent encounter for fracture with nonunion
S92.356K	Nondisplaced fracture of fifth metatarsal bone, unspecified foot, subsequent encounter for fracture with nonunion
S92.404K	Nondisplaced unspecified fracture of right great toe, subsequent encounter for fracture with nonunion
S92.405K	Nondisplaced unspecified fracture of left great toe, subsequent encounter for fracture with nonunion
S92.406K	Nondisplaced unspecified fracture of unspecified great toe, subsequent encounter for fracture with nonunion
S92.411K	Displaced fracture of proximal phalanx of right great toe, subsequent encounter for fracture with nonunion
S92.412K	Displaced fracture of proximal phalanx of left great toe, subsequent encounter for fracture with nonunion
S92.413K	Displaced fracture of proximal phalanx of unspecified great toe, subsequent encounter for fracture with nonunion
S92.414K	Nondisplaced fracture of proximal phalanx of right great toe, subsequent encounter for fracture with nonunion
S92.415K	Nondisplaced fracture of proximal phalanx of left great toe, subsequent encounter for fracture with nonunion

S92.416K	Nondisplaced fracture of proximal phalanx of unspecified great toe, subsequent encounter for fracture with nonunion
S92.421K	Displaced fracture of distal phalanx of right great toe, subsequent encounter for fracture with nonunion
S92.422K	Displaced fracture of distal phalanx of left great toe, subsequent encounter for fracture with nonunion
S92.423K	Displaced fracture of distal phalanx of unspecified great toe, subsequent encounter for fracture with nonunion
S92.424K	Nondisplaced fracture of distal phalanx of right great toe, subsequent encounter for fracture with nonunion
S92.425K	Nondisplaced fracture of distal phalanx of left great toe, subsequent encounter for fracture with nonunion
S92.426K	Nondisplaced fracture of distal phalanx of unspecified great toe, subsequent encounter for fracture with nonunion
S92.491K	Other fracture of right great toe, subsequent encounter for fracture with nonunion
S92.492K	Other fracture of left great toe, subsequent encounter for fracture with nonunion
S92.499K	Other fracture of unspecified great toe, subsequent encounter for fracture with nonunion
S92.501K	Displaced unspecified fracture of right lesser toe(s), subsequent encounter for fracture with nonunion
S92.502K	Displaced unspecified fracture of left lesser toe(s), subsequent encounter for fracture with nonunion
S92.503K	Displaced unspecified fracture of unspecified lesser toe(s), subsequent encounter for fracture with nonunion
S92.504K	Nondisplaced unspecified fracture of right lesser toe(s), subsequent encounter for fracture with nonunion
S92.505K	Nondisplaced unspecified fracture of left lesser toe(s), subsequent encounter for fracture with nonunion
S92.506K	Nondisplaced unspecified fracture of unspecified lesser toe(s), subsequent encounter for fracture with nonunion
S92.511K	Displaced fracture of proximal phalanx of right lesser toe(s), subsequent encounter for fracture with nonunion
S92.512K	Displaced fracture of proximal phalanx of left lesser toe(s), subsequent encounter for fracture with nonunion
S92.513K	Displaced fracture of proximal phalanx of unspecified lesser toe(s), subsequent encounter for fracture with nonunion
S92.514K	Nondisplaced fracture of proximal phalanx of right lesser toe(s), subsequent encounter for fracture with nonunion
S92.515K	Nondisplaced fracture of proximal phalanx of left lesser toe(s), subsequent encounter for fracture with nonunion
S92.516K	Nondisplaced fracture of proximal phalanx of unspecified lesser toe(s), subsequent encounter for fracture with nonunion
S92.521K	Displaced fracture of middle phalanx of right lesser toe(s), subsequent encounter for fracture with nonunion
S92.522K	Displaced fracture of middle phalanx of left lesser toe(s), subsequent encounter for fracture with nonunion
S92.523K	Displaced fracture of middle phalanx of unspecified lesser toe(s), subsequent encounter for fracture with nonunion
S92.524K	Nondisplaced fracture of middle phalanx of right lesser toe(s), subsequent encounter for fracture with nonunion
S92.525K	Nondisplaced fracture of middle phalanx of left lesser toe(s), subsequent encounter for fracture with nonunion
S92.526K	Nondisplaced fracture of middle phalanx of unspecified lesser toe(s), subsequent encounter for fracture with nonunion
S92.531K	Displaced fracture of distal phalanx of right lesser toe(s), subsequent encounter for fracture with nonunion
S92.532K	Displaced fracture of distal phalanx of left lesser toe(s), subsequent encounter for fracture with nonunion
S92.533K	Displaced fracture of distal phalanx of unspecified lesser toe(s), subsequent encounter for fracture with nonunion
S92.534K	Nondisplaced fracture of distal phalanx of right lesser toe(s), subsequent encounter for fracture with nonunion
S92.535K	Nondisplaced fracture of distal phalanx of left lesser toe(s), subsequent encounter for fracture with nonunion
S92.536K	Nondisplaced fracture of distal phalanx of unspecified lesser toe(s), subsequent encounter for fracture with nonunion
S92.591K	Other fracture of right lesser toe(s), subsequent encounter for fracture with nonunion
S92.592K	Other fracture of left lesser toe(s), subsequent encounter for fracture with nonunion

S92.599K	Other fracture of unspecified lesser toe(s), subsequent encounter for fracture with nonunion
S92.901K	Unspecified fracture of right foot, subsequent encounter for fracture with nonunion
S92.902K	Unspecified fracture of left foot, subsequent encounter for fracture with nonunion
S92.909K	Unspecified fracture of unspecified foot, subsequent encounter for fracture with nonunion
S92.911K	Unspecified fracture of right toe(s), subsequent encounter for fracture with nonunion
S92.912K	Unspecified fracture of left toe(s), subsequent encounter for fracture with nonunion
S92.919K	Unspecified fracture of unspecified toe(s), subsequent encounter for fracture with nonunion

**REIMBURSEMENT**

Participating facilities will be reimbursed per their Highmark Health Options contract.

**SUMMARY OF LITERATURE**

There are an estimated 7.9 million bone fractures that occur each year in the United States (Hayes, 2016). Most fractures will heal with standard nonsurgical or surgical treatment, but 5% to 10% of fracture cases encounter delayed or impaired healing which can require additional action (Hayes, 2016). According to Buza and Einhorn (2016), the United States Food and Drug Administration (FDA) defines a nonunion as, “A fracture that has not completely healed within 9 months of injury, with serial radiographs demonstrating no progression of healing during the final three months.”

The American Academy of Orthopedic Surgeons (2014) indicates several factors that can contribute to the formation of a delayed union or a nonunion bone fracture including:

- the type of bone involved and/or the fracture site (bones such as the scaphoid, distal tibia, and the base of the 5<sup>th</sup> metatarsal are at higher risk of nonunion)
- the blood supply
- the initial degree of bone loss (e.g., bone loss resulting in separation)
- the time elapsed since injury
- the extent of soft-tissue damage (e.g., interposition)
- infection
- inadequate immobilization or fixation

In addition to the factors related to the injury, there are a host of patient factors such as:

- Older age
- Poor nutrition or malnutrition
- Steroid therapy
- Radiation therapy
- Smoking
- Alcoholism
- Diabetes mellitus
- Peripheral vascular disease

Delayed union and nonunion bone fractures are typically treated with nonsurgical modalities (e.g., cast immobilization) or surgery (Hayes, 2017). There are several diagnosing methods used to evaluate fracture healing, including radiographs, fluoroscopy, bone scintigraphy, and bone scanning (AAOS, 2014). When conventional treatment is ineffective to fracture healing, electrical bone growth stimulators (EBGS) or low-intensity pulsed ultrasonic osteogenesis stimulators may be used to promote fracture healing (Hayes, 2017).

The three categories of EBGs devices (also known as osteogenesis stimulators) are noninvasive, invasive, or semi-invasive (Hayes, 2017):

- **Noninvasive EBGs devices** use inductive and conductive delivery methods. A broad, uniform electric current is delivered to the fracture site using noninvasive technologies such as pulse electromagnetic field (PEMF), capacitive coupling field (CCF), or combined electromagnetic (CMF) field to the fracture site via treatment coils or disks placed in the skin and attached to an external power supply.
- **Invasive EBGs devices** are fully implanted devices that deliver electrical energy to a non-healing bone fracture. Direct-Current Stimulators (DCS) are the only stimulator technologies that are implanted or percutaneously apply insulated electrodes.
- **Semi-invasive direct current EBGs devices** use an implanted cathode in the cortex of one end of the nonunion site and are attached to an external power supply. An anode attached to the skin completes the electrical circuit. There are currently no FDA-approved semi-invasive devices.

**Ultrasound (US) bone growth stimulators** deliver mechanical stimulation to the fracture site through the application of low-intensity, pulsed, high-frequency pressure waves (Hayes, 2017). Research suggests that low-intensity pulsed ultrasound (LIPUS) accelerates several phases of the fracture healing process (inflammation, soft callus formation, hard callus formation) in vivo (Pounder and Harrison, 2008; Dijkman et al., 2009).

### Rationale

In the appendicular skeleton, the noninvasive bone growth stimulators has been investigated to facilitate the healing of fresh fractures, stress fractures, delayed union fractures, nonunion fractures, and congenital pseudoarthroses. The evidence review includes all of the most current literature.

The safety and effectiveness of all bone growth stimulator devices have not been established in the presence of bone pathology such as osteomyelitis, spondylitis, Paget's disease, metastatic cancer, advanced osteoporosis or arthritis, or for avascular or necrotic bone tissues. Additionally, the safety and effectiveness of bone growth stimulators have not been established for the following individuals: children, individuals lacking skeletal maturity, pregnant and nursing women, and patients with cardiac pacemakers or implantable defibrillators (Orthofix, 2005; EXOGEN, 2017). There is also contraindication for any fixation devices made from magnetic materials that may compromise the effects of EBGs devices (Orthofix, 2005).

Hayes has given the following ratings for noninvasive bone growth stimulators for fresh fractures, delayed union, and nonunion fractures (2017):

- **B** - For **noninvasive EBGs** as an adjunct to conventional treatment for nonunion fractures of the long bones in adults. This Rating reflects a low-quality body of evidence demonstrating improved fracture healing outcomes compared with placebo devices and no concerns regarding safety, as well as the expectation that a nonunion fracture will not heal without further intervention.
- **C** - For **noninvasive EBGs** as an adjunct to conventional treatment for delayed union fractures of the tibia or other long bones in adults. This Rating reflects a low-quality body of evidence demonstrating improved fracture healing outcomes compared with placebo devices, and no concerns regarding safety.
- **D1** - For **noninvasive EBGs** as an adjunct to conventional treatment for fresh fractures in adults. This Rating reflects a moderate-quality body of evidence showing no benefit compared with placebo or no device in the healing of newly acquired fractures of the extra articular distal radius, femoral neck, scaphoid, and tibia. Noninvasive EBGs does not pose any safety concerns in this patient population.

### **Noninvasive Electrical Bone Growth Stimulation**

The U.S. Food and Drug Administration (FDA) approved several noninvasive electrical bone growth stimulators as Class III devices for the indications of nonunion fractures or congenital pseudoarthroses in the appendicular skeleton. Aleem et al. (2016) reported a systematic review and meta-analysis evaluating the efficacy of electrical stimulators in bone healing. Overall, there was moderate quality evidence supporting electrical stimulation in reducing patient-reported pain and radiographic nonunion (Aleem, 2016). All of the RCTs and systematic reviews conclude sufficient evidence that noninvasive EBGS improves fracture healing for patients with nonunion fractures (Aleem, 2016). There are few nonsurgical options in this patient population.

Aleem et al. (2016) also reported on delayed union fractures, fresh fractures, and stress fractures in the meta-analysis of RCTs. There were no statistically significant differences in outcomes between RCT groups for delayed union fractures, fresh fractures, and stress fractures during the study (Aleem, 2016; Goldstein et al., 2010). There are no well-designed, prospective, randomized controlled trials indicating evidence of (invasive) implantable and semi-invasive EBGS devices in patients with any type of appendicular skeletal fracture, pseudoarthrosis, or in patients who underwent surgery of the appendicular skeleton (Hayes, 2017).

### **POLICY SOURCE(S)**

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### Policy History

Date	Activity
01/05/2018	Initial policy developed
12/11/2018	QI/UM Committee approval
02/18/2019	Provider effective date