ICD-10
for Orthopedic Surgery
by Alan Pechacek, M.D.
First Edition
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This **Table of Contents** for this book is probably far more extensive and detailed than you would normally expect in any book. I have done this on purpose so that by using the **Table of Contents**, hopefully it will expedite the process of getting to the right part of the book to find your diagnosis codes.

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Osteoarthritis (M15-M19)

This Excludes osteoarthritis of the spine (M47._), but if arthritis of the spine and other joints coexist, then both can be coded and reported.

**M15: Polyosteoarthritis** (5 or more joints required)
This includes arthritis at multiple sites
This Excludes bilateral involvement of a single joint (M16-M19)
Only 4 characters required

- **M15.0: Primary generalized osteoarthritis**
- **M15.1: Heberden's nodes with arthropathy (interphalangeal distal osteoarthritis)**
- **M15.2: Bouchard's nodes with arthropathy (juxta-phalangeal distal osteoarthritis)**
- **M15.3: Secondary multiple arthritis (post-traumatic polyosteoarthritis)**
- **M15.4: Erosive osteoarthritis**

**M16: Osteoarthritis of the hip** *(5th Character: 1: Right, 2: Left)*
- **M16.0: Bilateral primary** osteoarthritis of the hip
- **M16.1: Unilateral primary** osteoarthritis of the hip
- **M16.2: Bilateral** osteoarthritis resulting from hip dysplasia
- **M16.3: Unilateral** osteoarthritis resulting from hip dysplasia *(Dysplastic osteoarthritis of the hip NOS)*
- **M16.4: Bilateral post-traumatic** osteoarthritis of the hip
- **M16.5: Unilateral post-traumatic** osteoarthritis of the hip *(post-traumatic osteoarthritis of the hip NOS)*
- **M16.6: Other Bilateral Secondary** arthritis of the hips
- **M16.7: Other Unilateral Secondary** arthritis of the hip

**M17: Osteoarthritis of the knee** *(5th Character: 1: Right, 2: Left)*
- **M17.0: Bilateral primary** osteoarthritis of the knee
- **M17.1: Unilateral primary** osteoarthritis of the knee
- **M17.2: Bilateral post-traumatic** osteoarthritis of the knee
- **M17.3: Unilateral post-traumatic** osteoarthritis of the knee
- **M17.4: Other bilateral secondary** osteoarthritis of the knee
- **M17.5: Other unilateral secondary** osteoarthritis of the knee

**M18: Osteoarthritis of the first carpometacarpal joint** *(5th Character: 1: Right, 2: Left)*
- **M18.0: Bilateral primary** osteoarthritis of the first carpometacarpal joint
- **M18.1: Unilateral primary** osteoarthritis of the first carpometacarpal joint
- **M18.2: Bilateral post-traumatic** osteoarthritis of the first carpometacarpal joint
- **M18.3: Unilateral post-traumatic** osteoarthritis of the first carpometacarpal joint
- **M18.4: Other bilateral secondary** osteoarthritis of the first carpometacarpal joint
- **M18.5: Other unilateral secondary** osteoarthritis of the first carpometacarpal joint

**M19: Osteoarthritis of other joints**
This Excludes polyarthritis (M15)
This Excludes arthrosis of the spine (M47._), hallux rigidus (M20.2), and osteoarthritis of the spine (M47._), but if these problems coexist with other arthritis of the joints, then both can be coded and reported

*5th Characters: 1: Shoulder, 2: Elbow, 3: Wrist, 4: Hand, and 7: Ankle and Foot, only 6th Character: 1: Right, 2: Left
- **M19.0: Primary** osteoarthritis of other joints
- **M19.1: Post-traumatic** osteoarthritis of other joints
- **M19.2: Secondary** osteoarthritis of other joints
S68.622 _: Right middle finger
S68.623 _: Left middle finger
S68.624 _: Right ring finger
S68.625 _: Left ring finger
S68.626 _: Right little finger
S68.627 _: Left little finger

S68.7: **Traumatic transmetacarpal amputation of the hand**
  *6th Character: 1: Right, 2: Left*
  S68.71 _: Complete amputation
  S68.72 _: Partial amputation

S69: Other injuries of the wrist, hand, and fingers
  *7th Character: A, D, or S*
  S69.8X _: Other specified injuries of the wrist, hand, and fingers
    *6th Character: 1: Right, 2: Left*

**Injuries to the hip and thigh (S70-S79)**

This **Excludes** burns and corrosion (T20-T32), frostbite (T33-T34), snake bite (T63.0_), and venomous insect bite or sting (T63.4_), but if these coexist with these injuries, both may be coded and reported.

S70: **Superficial injury of the hip and thigh**
  *7th Character: A, D, or S*
  S70.0 X_: Contusion of the hip
    *5th Character: 1: Right, 2: Left*
  S70.1 X_: Contusion of the thigh
  S70.2: Other superficial injuries of the hip
    *6th Character: 1: Right, 2: Left*
    S70.21 _: Abrasion of the hip
    S70.22 _: Non-thermal blister of the hip
    S70.24 _: External constriction of the hip
    S70.25 _: Superficial foreign body of the hip (splinter)
    S70.26 _: Nonvenomous insect bite of the hip
    S70.27 _: Other superficial bite of the hip
    This **Excludes** open bite of the hip (S71.05_)
  S70.3: Other superficial injuries of the thigh
    *6th Character: 1: Right, 2: Left*
    S70.31 _: Abrasion of the thigh
    S70.32 _: Non-thermal blister of the thigh
    S70.34 _: External constriction of the thigh
    S70.35 _: Superficial foreign body of the thigh (splinter)
    S70.36 _: Nonvenomous insect bite of the thigh
    S70.37 _: Other superficial bite of the thigh
    This **Excludes** open bite of the thigh (S71.15)

S71: **Open wound of the hip and/or thigh**
  *Code also any associated wound infection*
  This **Excludes** open fracture of the hip and thigh (S70 2._), and traumatic amputation of the hip and thigh (S78 _) 
  This **Excludes** bite of a venomous animal (T60 3._), open wound of the ankle, foot, or toes (S91 _), and open wound of the knee and lower leg (S81 _), but if both of these coexist, both can be coded and reported.
  *6th Character: 1: Right, 2: Left*
  *7th Character: A, D, or S*
  S71.0: **Open wound of the hip**
    S71.01 _: Laceration of the hip without foreign body
S71.02 _: Laceration of the hip with foreign body
S71.03 _: Puncture wound of hip without foreign body
S71.04 _: Puncture wound of the hip with foreign body
S71.05 _: Open bite of the hip
This Excludes superficial bite the hip (S70.26, S70.27)

S71.1: Open wound of the thigh
S71.11 _: Laceration of the thigh without foreign body
S71.12 _: Laceration of the thigh with foreign body
S71.13 _: Puncture wound of the thigh without foreign body
S71.14 _: Puncture wound of the thigh with foreign body
S71.15 _: Open bite of the thigh
This Excludes superficial bite of the thigh (S70.37_)

S72: Fracture of the femur

Note: A fracture not indicated as displaced or non-displaced should be coded as displaced. The open fracture designations are based on the Gustilo open fracture classification. A fracture not indicated as open or closed should be coded as closed.

This Excludes traumatic amputation of the hip and thigh (S78_)
This Excludes fracture of the lower leg and ankle (S82_), fracture of the foot (S92_), and periprosthetic fracture of a prosthetic implant of the hip (T84.040, T84.041), but if these coexist, both may be coded and reported

7th Character for all codes for category S72 (unless otherwise indicated) are:
A: Initial encounter for closed fracture
B: Initial encounter for open fracture type I or II
C: Initial encounter for open fracture types IIIA, IIIB, or IIIC
D: Subsequent encounter for closed fracture with routine healing
E: Subsequent encounter for open fracture type I or II with routine healing
F: Subsequent encounter for open fracture type IIIA, IIIB, or IIIC with routine healing
G: Subsequent encounter for closed fracture with delayed healing
H: Subsequent encounter for open fracture type I or II with delayed healing
J: Subsequent encounter for open fracture type IIIA, IIIB, or IIIC with delayed healing
K: Subsequent encounter for closed fracture with nonunion
M: Subsequent encounter for open fracture type I or II with nonunion
N: Subsequent encounter for open fracture type IIIA, IIIB, or IIIC with nonunion
P: Subsequent encounter for closed fracture with malunion
Q: Subsequent encounter for open fracture type I or II with malunion
R: Subsequent encounter for open fracture type IIIA, IIIB, or IIIC with malunion
S: Sequela

S72.0: Fracture of the head and neck of the femur
This Excludes epiphyseal fracture of the upper end of the femur (S79.0_), but if both coexist, both can be coded and reported
S72.01 _: Intracapsular fracture of the femoral neck (subcapital fracture)
   6th Character: 1: Right, 2: Left
S72.02: Epiphyseal fracture or separation of the femoral neck (trans-epiphyseal fracture of the femoral neck)
This Excludes capital femoral epiphyseal fracture/pediatric of the femur (S79.01_), and Salter-Harris Type I epiphyseal fracture of the upper end of the femur (S79.01_)
S72.021 _: Displaced fracture right proximal femoral epiphysis
S72.022 _: Displaced fracture of the left proximal femoral epiphysis
S72.024 _: Non-displaced fracture of the right proximal femoral epiphysis
S72.025 _: Non-displaced fracture of the left proximal femoral epiphysis
S72.03: Mid-cervical fracture of the femoral neck (trans-cervical fracture)
S72.031 _: Displaced fracture right
S72.032 _: Displaced fracture left
S72.034: Non-displaced fracture right
S72.035: Non-displaced fracture left

S72.04: Fracture of the base of the neck of the femur (cervicotrochanteric fracture)
S72.041: Displaced fracture right
S72.042: Displaced fracture left
S72.044: Non-displaced fracture right
S72.045: Non-displaced fracture left

S72.06: Articular fracture of the femoral head
S72.061: Displaced right
S72.062: Displaced left
S72.064: Non-displaced right
S72.065: Non-displaced left

S72.09: Other fracture of the head and/or neck of the femur
6th Character: 1: Right, 2: Left

S72.1: Pertrochanteric fracture of the femur
S72.11: Fracture of the greater trochanter of the femur
S72.111: Displaced right
S72.112: Displaced left
S72.114: Non-displaced right
S72.115: Non-displaced left

S72.12: Fracture of the lesser trochanter of the femur
S72.121: Displaced right
S72.122: Displaced left
S72.124: Non-displaced right
S72.125: Non-displaced left

S72.13: Apophyseal fracture of the femur (Greater or Lesser Trochanters)
This Excludes chronic non-traumatic slipped upper femoral epiphysis (M93.0_)
S72.131: Displaced right
S72.132: Displaced left
S72.134: Non-displaced right
S72.135: Non-displaced left

S72.14: Intertrochanteric fracture of the femur
S72.141: Displaced right
S72.142: Displaced left
S72.144: Non-displaced right
S72.145: Non-displaced left

S72.2: Subtrochanteric fracture of the femur
S72.21X: Displaced right
S72.22X: Displaced left
S72.24X: Non-displaced right
S72.25X: Non-displaced left

S72.3: Fracture of the femoral shaft
S72.32: Transverse fracture of the femoral shaft
S72.321: Displaced right
S72.322: Displaced left
S72.324: Non-displaced right
S72.325: Non-displaced left

S72.33: Oblique fracture of the femoral shaft
S72.331: Displaced right
S72.332: Displaced left
S72.334: Non-displaced right
S72.335: Non-displaced left

S72.34: Spiral fracture of the femoral shaft
S72.341: Displaced right
S72.342: Displaced left
S72.344: Non-displaced right
S72.345: Non-displaced left

S72.35: **Comminuted fracture** of the femoral shaft
S72.351: Displaced right
S72.352: Displaced left
S72.354: Non-displaced right
S72.355: Non-displaced left

S72.36: **Segmental fracture** of the femoral shaft
S72.361: Displaced right
S72.362: Displaced left
S72.364: Non-displaced right
S72.365: Non-displaced left

S72.39: Other fracture of the femoral shaft (6th Character: 1: Right, 2: Left)

S72.4: Fracture of the **lower end of the femur (distal femur)**
This Excludes fracture of the femoral shaft (S72.3_), and epiphyseal fracture of the lower end of the femur (S79.1_), but if both coexist, both can be coded and reported.

S72.42: Fracture of the **lateral femoral condyle**
S72.421: Displaced right
S72.422: Displaced left
S72.424: Non-displaced right
S72.425: Non-displaced left

S72.43: Fracture of the **medial femoral condyle**
S72.431: Displaced right
S72.432: Displaced left
S72.434: Non-displaced right
S72.435: Non-displaced left

S72.44: Fracture of the **lower femoral epiphysis** (always considered closed)
This Excludes Salter-Harris Type I epiphyseal fracture of the lower end of the femur (S79.1_)
S72.441: Displaced right
S72.442: Displaced left
S72.444: Non-displaced right
S72.445: Non-displaced left

S72.45: **Supracondylar fracture without intercondylar extension** of the distal femur
This Excludes supracondylar fracture with intracondylar extension of the distal femur (S72.46_)
S72.451: Displaced right
S72.452: Displaced left
S72.454: Non-displaced right
S72.455: Non-displaced left

S72.46: **Supracondylar fracture with intercondylar extension** of the lower end of the femur
This Excludes supracondylar fracture without intercondylar extension of the distal femur (S72.45_)
S72.461: Displaced right
S72.462: Displaced left
S72.464: Non-displaced right
S72.465: Non-displaced left

S72.47: **Torus fracture** of the lower end of the femur (always designated closed)
6th Character: 1: Right, 2: Left
7th Characters for subcategory S72.47: A, D, G, K, P, S
S72.49: Other fracture of the lower end of the femur (6th Character: 1: Right, 2: Left)

S72.8: Other fracture of the femur (6th Character: 1: Right, 2: Left)
S73: Dislocations and sprains of the joints and ligaments of the hip
This **Includes** avulsion of ligament, laceration of cartilage or ligament, sprain of the joint, traumatic hemarthrosis of the joint, traumatic rupture of the ligaments, traumatic subluxation of the joint, and traumatic tear of ligaments of the hip joint

*Code also* any associated open wound

This **Excludes** strain of the muscle, fascia, and/or tendons of the hip and thigh (S76._), but if both coexist, both can be coded and reported

*7th Character for category S73: A, D, or S*

S73.0: **Subluxation and dislocation of the hip joint**
This **Excludes** dislocation and subluxation of the hip prosthesis (T84.020, T84.021), but if both coexist, both can be coded and reported

*S73.01: Posterior subluxation and/or dislocation of the hip*
- S73.011 _: Subluxation of right hip
- S73.012 _: Subluxation of left hip
- S73.014_: Dislocation of right hip
- S73.015_: Dislocation of left hip

*S73.02: Obturator subluxation and dislocation of the hip*
- S73.021 _: Subluxation of right hip
- S73.022 _: Subluxation of left hip
- S73.024_: Dislocation of right hip
- S73.025_: Dislocation of left hip

*S73.03: Other anterior subluxation and dislocation of the hip*
- S73.031_: Subluxation of right hip
- S73.032_: Subluxation of left hip
- S73.034_: Dislocation of right hip
- S73.035_: Dislocation of left hip

*S73.04: Central subluxation and dislocation of the hip*
- S73.041_: Subluxation of right hip
- S73.042_: Subluxation of left hip
- S73.044_: Dislocation of right hip
- S73.045_: Dislocation of left hip

S73.1: **Sprain of the hip** *(6th Character: 1: Right, 2: Left)*
- S73.11 _ _: Iliofemoral ligament sprain of the hip
- S73.12 _ _: Ischiocapsular ligament sprain of the hip
- S73.19 _ _: Other sprain of the hip

S74: Injury of the nerves at the hip and thigh level
*Code also* any associated open wound (S71._)

This **Excludes** injuries of the nerves at the ankle and foot level (S94._), and lower leg level (S84._), but if both injuries coexist, both can be coded and reported

*5th Character: 1: Right, 2: Left*

*7th Character for category S74: A, D, or S*

*S74.0 _X_: Injury to the **sciatic nerve** at the hip and thigh level
*S74.1 _X_: Injury of the **femoral nerve** at the hip and thigh level
*S74.2 _X_: Injury of **cutaneous sensory nerve** at the hip and thigh level
*S74.8 _X_: Injury of **other nerve/s** at the hip and thigh level

S75: Injury to blood vessels at the hip and thigh level
*Code also* any associated open wound (S71.5_)

This **Excludes** injury of the blood vessels of the lower leg (S85._), popliteal artery (S85.0), but if both coexist, both can be coded and reported

*6th Character: 1: Right, 2: Left*

*7th Character for category S75: A, D, or S*

*S75.0: Injury of the **femoral artery***
- S75.01 _ _: Minor laceration of the femoral artery (incomplete transection, superficial laceration of the femoral artery)
S75.02 _ : Major laceration of the femoral artery (complete transection, traumatic rupture of femoral artery)
S75.09 _ : Other specified injury of the femoral artery
S75.1: Injury of the femoral vein at the hip and thigh level
  S75.11 _ : Minor laceration of the femoral vein (incomplete transection, superficial laceration of the femoral vein)
  S75.12 _ : Major laceration of the femoral vein (complete transection, or traumatic rupture of the femoral vein)
  S75.19 _ : Other specified injury of the femoral vein at the hip and thigh level
S75.2: Injury of the greater saphenous vein at the hip and thigh level
  This Excludes greater saphenous vein NOS (S85.3)
  S75.21 _ : Minor laceration of the greater saphenous vein (incomplete transection, superficial laceration of greater saphenous vein)
  S75.22 _ : Major laceration of the greater saphenous vein (complete transection, traumatic rupture)
  S75.29 _ : Other specified injury of the greater saphenous vein
S75.8: Injury of other blood vessel/s at the hip and thigh level
  S75.81 _ : Laceration of other blood vessel
  S75.89 _ : Other specified injury of other blood vessels

S76: Injury of the muscle, fascia, and/or tendons at the hip and thigh level
  Code also any associated open wound (S71._)
  This Excludes injury to the muscle, fascia, and/or tendon at the lower leg level (S86), and sprain of the hip joint (S73.1), but if both coexist, both can be coded and reported
  6th Character: 1: Right, 2: Left
  7th Character for category S76: A, D, or S
S76.0: Injury of the muscle, fascia, and/or tendon of the hip
  S76.01 _ : Strain of muscle, fascia, and/or tendon
  S76.02 _ : Laceration of muscle, fascia, and/or tendon of the hip
  S76.09 _ : Other specified injury to muscle, fascia, and/or tendon of the hip
S76.1: Injury of the quadriceps muscle, fascia, and/or tendon (injury of the patellar tendon)
  S76.11 _ : Strain of the quadriceps muscle, fascia, and/or tendon
  S76.12 _ : Laceration of the quadriceps muscle, fascia, and/or tendon
  S76.19 _ : Other specified injury to the quadriceps muscle, fascia, and/or tendon
S76.2: Injury of the abductor muscle, fascia, and/or tendon of the thigh
  S76.21 _ : Strain of the abductor muscle, fascia, and/or tendon
  S76.22 _ : Laceration of the abductor muscle, fascia, and/or tendon
  S76.29 _ : Other injury to the abductor muscle, fascia, and/or tendon
S76.3: Injury to the muscle, fascia, and/or tendon of the posterior muscle group at the thigh level
  S76.31 _ : Strain of the muscle, fascia, and/or tendons
  S76.32 _ : Laceration of the muscle, fascia, and/or tendons
  S76.39 _ : Other specified injury of the muscle, fascia, and/or tendons
S76.8: Injury of other specified muscles, fascia, and/or tendons at the thigh level
  S76.81 _ : Strain of other specified muscles, fascia, and/or tendons
  S76.82 _ : Laceration of other specified muscles, fascia, and/or tendons
  S76.89 _ : Other injury of other specified muscles, fascia, and/or tendons at the thigh level

S77: Crushing injury of the hip and thigh
  Use additional code(s) for all associated injuries
  This Excludes crushing injury of the foot and ankle (S97._), and lower leg (S87._), but if both coexist, both can be coded and reported
  5th Character: 1: Right, 2: Left
  7th Character for category S77: A, D, or S
S77.0 _X_: Crushing injury of the hip
S77.1 _X _. Crushing injury of the thigh
S77.2 _X _. Crushing injury of the hip with thigh

S78: Traumatic amputation of the hip and thigh

Note: An amputation not identified as partial or complete should be coded as complete
This Excludes traumatic amputation of the knee (S88.0_)
6th Character: 1, Right, 2: Left
7th Character for category S78: A, D, or S

S78.0: Traumatic amputation at the hip joint
  S78.01 _ _: Complete traumatic amputation
  S78.02 _ _: Partial traumatic amputation

S78.1: Traumatic amputation between the hip and the knee (thigh)
  This Excludes traumatic amputation at the knee (S88.0_)
  S78.11 _ _: Complete traumatic amputation
  S78.12 _ _: Partial traumatic amputation

S79: Other injuries of the hip and thigh

S79.0: Epiphyseal fracture of the upper end of the femur
  This Excludes apophyseal fracture of the proximal femur (S72.13_), and non-traumatic slipped capital femoral epiphysis (M93.0_)
  6th Character: 1: Right, 2: Left
  7th Characters for sub-category S79.0 and S79..1: A, D, G, K, P, S (always considered closed)
  S79.01 _ _: Salter-Harris type I epiphyseal fracture of the upper end of the femur
  (traumatic acute on chronic slipped capital femoral epiphysis, traumatic acute slipped capital femoral epiphysis, capital femoral epiphysial fracture)
  This Excludes non-traumatic chronic slipped upper femoral epiphysis (M93.02_)
  S79.09 _ _: Other epiphyseal fracture of the upper end of the femur

S79.1: Epiphyseal fracture of the lower end of the femur (always considered closed)
  6th Character: 1: Right, 2: Left
  S79.11 _ _: Salter-Harris type I epiphyseal fracture of the lower end of the femur
  S79.12 _ _: Salter-Harris type II epiphyseal fracture of the lower end of the femur
  S79.13 _ _: Salter-Harris type III epiphyseal fracture of the lower end of the femur
  S79.14 _ _: Salter-Harris type IV epiphyseal fracture the lower end of the femur
  S79.19 _ _: Other epiphyseal fracture of the lower end of the femur

S79.8: Other specified injuries of the hip and thigh
  6th Character: 1: Right, 2: Left
  7th Character for sub-category S79.8: A, D, or S
  S79.81 _ _: Other specified injuries of the hip
  S79.82 _ _: Other specified injuries of the thigh

Injuries to the knee and lower leg (S80-S89)

This Excludes burns and corrosion's (T20-T32), frostbite (T33-T34), injuries of the foot and ankle, except fracture of the ankle and malleolus (S90-S99), and venomous insect bite or sting (T63.4), but if these coexist with these injuries, both may be coded and reported

S80: Superficial injury of the knee and lower leg
  This Excludes superficial injury of the ankle and foot (S90.5_), but if both coexist, both can be coded and reported
  6th Character: 1: Right, 2: Left, unless otherwise designated
  7th Character for category S80: A, D, or S
  S80.0 _X _. Contusion of the knee (5th Character: 1: Right, 2: Left)
  S80.1 _X _. Contusion of the lower leg (5th Character: 1: Right, 2: Left)