



Inpatient Quality Indicator 14 (IQI 14) Hip Replacement Mortality Rate July 2017 Provider-Level Indicator Type of Score: Rate

Prepared by:

Agency for Healthcare Research and Quality

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DESCRIPTION

In-hospital deaths per 1,000 pelvic and thigh osteoarthritis discharges with partial or full hip replacement, ages 18 years and older. Excludes hip fracture discharges, obstetric discharges, and transfers to another hospital.

[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report in-hospital deaths per 1,000 hospital discharges.]

NUMERATOR

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

DENOMINATOR

Discharges, for patients ages 18 years and older, with any-listed ICD-10-PCS procedure codes for a partial or full hip replacement (*MTHIPRP*^{*}) and any-listed ICD-10-CM diagnosis codes for osteoarthritis for pelvic region and thigh (or site unspecified or multiple sites) (*MTHIPRD*^{*}).

DENOMINATOR EXCLUSIONS

Exclude cases:

- with any-listed ICD-10-CM diagnosis codes for hip fracture (***MTHIPFD*** ^{*})
- transferring to another short-term hospital (DISP=2)
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

* See below for code list

Partial or full hip replacement procedure codes: (MTHIPRP)

0SR9019	Replacement of Right Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach	0SRE009	Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Cemented, Open Approach
0SR901A	Replacement of Right Hip Joint with Metal Synthetic Substitute, Uncemented, Open Approach	0SRE00A	Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Uncemented, Open Approach
0SR901Z	Replacement of Right Hip Joint with Metal Synthetic Substitute, Open Approach	0SRE00Z	Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Open Approach
0SR9029	Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Cemented, Open Approach	0SRE019	Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Cemented, Open Approach
0SR902A	Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Uncemented, Open Approach	0SRE01A	Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Uncemented, Open Approach
0SR902Z	Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Open Approach	0SRE01Z	Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Open Approach
0SR9039	Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Cemented, Open Approach	0SRE039	Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Cemented, Open Approach
0SR903A	Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Uncemented, Open Approach	0SRE03A	Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach
0SR903Z	Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Open Approach	0SRE03Z	Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Open Approach
0SR9049	Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach	0SRE07Z	Replacement of Left Hip Joint, Acetabular Surface with Autologous Tissue Substitute, Open Approach

0SR904A	Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Uncemented, Open Approach	0SRE0J9	Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Cemented, Open Approach
0SR904Z	Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Open Approach	0SRE0JA	Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Uncemented, Open Approach
0SR907Z	Replacement of Right Hip Joint with Autologous Tissue Substitute, Open Approach	0SRE0JZ	Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Open Approach
0SR90J9	Replacement of Right Hip Joint with Synthetic Substitute, Cemented, Open Approach	0SRE0KZ	Replacement of Left Hip Joint, Acetabular Surface with Nonautologous Tissue Substitute, Open Approach
0SR90JA	Replacement of Right Hip Joint with Synthetic Substitute, Uncemented, Open Approach	0SRR019	Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Cemented, Open Approach
0SR90JZ	Replacement of Right Hip Joint with Synthetic Substitute, Open Approach	0SRR01A	Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Uncemented, Open Approach
0SR90KZ	Replacement of Right Hip Joint with Nonautologous Tissue Substitute, Open Approach	0SRR01Z	Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Open Approach
0SRA009	Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Cemented, Open Approach	0SRR039	Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Cemented, Open Approach
0SRA00A	Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Uncemented, Open Approach	0SRR03A	Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach
0SRA00Z	Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Open Approach	0SRR03Z	Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Open Approach
0SRA019	Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Cemented, Open Approach	0SRR07Z	Replacement of Right Hip Joint, Femoral Surface with Autologous Tissue Substitute, Open Approach

0SRA01A	Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Uncemented, Open Approach	0SRR0J9	Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach
0SRA01Z	Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Open Approach	0SRR0JA	Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach
0SRA039	Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Cemented, Open Approach	0SRR0JZ	Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Open Approach
0SRA03A	Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach	0SRR0KZ	Replacement of Right Hip Joint, Femoral Surface with Nonautologous Tissue Substitute, Open Approach
0SRA03Z	Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Open Approach	0SRS019	Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Cemented, Open Approach
0SRA07Z	Replacement of Right Hip Joint, Acetabular Surface with Autologous Tissue Substitute, Open Approach	0SRS01A	Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Uncemented, Open Approach
0SRA0J9	Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Cemented, Open Approach	0SRS01Z	Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Open Approach
0SRA0JA	Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Uncemented, Open Approach	0SRS039	Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Cemented, Open Approach
0SRA0JZ	Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Open Approach	0SRS03A	Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach
0SRA0KZ	Replacement of Right Hip Joint, Acetabular Surface with Nonautologous Tissue Substitute, Open Approach	0SRS03Z	Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Open Approach
0SRB019	Replacement of Left Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach	0SRS07Z	Replacement of Left Hip Joint, Femoral Surface with Autologous Tissue Substitute, Open Approach

0SRB01A	Replacement of Left Hip Joint with Metal Synthetic Substitute, Uncemented, Open Approach	0SRS0J9	Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach
0SRB01Z	Replacement of Left Hip Joint with Metal Synthetic Substitute, Open Approach	0SRS0JA	Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach
0SRB029	Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Cemented, Open Approach	0SRS0JZ	Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Open Approach
0SRB02A	Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Uncemented, Open Approach	0SRS0KZ	Replacement of Left Hip Joint, Femoral Surface with Nonautologous Tissue Substitute, Open Approach
0SRB02Z	Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Open Approach	0SU909Z	Supplement Right Hip Joint with Liner, Open Approach
0SRB039	Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Cemented, Open Approach	0SUA09Z	Supplement Right Hip Joint, Acetabular Surface with Liner, Open Approach
0SRB03A	Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Uncemented, Open Approach	0SUB09Z	Supplement Left Hip Joint with Liner, Open Approach
0SRB03Z	Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Open Approach	0SUE09Z	Supplement Left Hip Joint, Acetabular Surface with Liner, Open Approach
0SRB049	Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach	0SUR09Z	Supplement Right Hip Joint, Femoral Surface with Liner, Open Approach
0SRB04A	Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Uncemented, Open Approach	0SUS09Z	Supplement Left Hip Joint, Femoral Surface with Liner, Open Approach
0SRB04Z	Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Open Approach	0SW90JZ	Revision of Synthetic Substitute in Right Hip Joint, Open Approach
0SRB07Z	Replacement of Left Hip Joint with Autologous Tissue Substitute, Open Approach	0SWA0JZ	Revision of Synthetic Substitute in Right Hip Joint, Acetabular Surface, Open Approach

0SRB0J9	Replacement of Left Hip Joint with Synthetic Substitute, Cemented, Open Approach	0SWB0JZ	Revision of Synthetic Substitute in Left Hip Joint, Open Approach
0SRB0JA	Replacement of Left Hip Joint with Synthetic Substitute, Uncemented, Open Approach	0SWE0JZ	Revision of Synthetic Substitute in Left Hip Joint, Acetabular Surface, Open Approach
0SRB0JZ	Replacement of Left Hip Joint with Synthetic Substitute, Open Approach	0SWR0JZ	Revision of Synthetic Substitute in Right Hip Joint, Femoral Surface, Open Approach
0SRB0KZ	Replacement of Left Hip Joint with Nonautologous Tissue Substitute, Open Approach	0SWS0JZ	Revision of Synthetic Substitute in Left Hip Joint, Femoral Surface, Open Approach

Osteoarthritis for pelvic region and thigh (or site unspecified or multiple sites) diagnosis codes: (MTHIPRD)

M129	Arthropathy, unspecified	M162	Bilateral osteoarthritis resulting from hip dysplasia
M130	Polyarthritis, unspecified	M1630	Unilateral osteoarthritis resulting from hip dysplasia, unspecified hip
M1310	Monoarthritis, not elsewhere classified, unspecified site	M1631	Unilateral osteoarthritis resulting from hip dysplasia, right hip
M13151	Monoarthritis, not elsewhere classified, right hip	M1632	Unilateral osteoarthritis resulting from hip dysplasia, left hip
M13152	Monoarthritis, not elsewhere classified, left hip	M164	Bilateral post-traumatic osteoarthritis of hip
M13159	Monoarthritis, not elsewhere classified, unspecified hip	M1650	Unilateral post-traumatic osteoarthritis, unspecified hip
M150	Primary generalized (osteo)arthritis	M1651	Unilateral post-traumatic osteoarthritis, right hip
M153	Secondary multiple arthritis	M1652	Unilateral post-traumatic osteoarthritis, left hip
M154	Erosive (osteo)arthritis	M166	Other bilateral secondary osteoarthritis of hip
M158	Other polyosteoarthritis	M167	Other unilateral secondary osteoarthritis of hip
M159	Polyosteoarthritis, unspecified	M169	Osteoarthritis of hip, unspecified
M160	Bilateral primary osteoarthritis of hip	M1990	Unspecified osteoarthritis, unspecified site
M1610	Unilateral primary osteoarthritis, unspecified hip	M1991	Primary osteoarthritis, unspecified site
M1611	Unilateral primary osteoarthritis, right hip	M1992	Post-traumatic osteoarthritis, unspecified site
M1612	Unilateral primary osteoarthritis, left hip	M1993	Secondary osteoarthritis, unspecified site

Hip fracture diagnosis codes: (MTHIPFD)

M80051A	Age-related osteoporosis with current pathological fracture, right femur	S72101C	Unspecified trochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
M80052A	Age-related osteoporosis with current pathological fracture, left femur	S72102A	Unspecified trochanteric fracture of left femur, initial encounter for closed fracture
M80059A	Age-related osteoporosis with current pathological fracture, unspecified femur	S72102B	Unspecified trochanteric fracture of left femur, initial encounter for open fracture type I or II
M80851A	Other osteoporosis with current pathological fracture, right femur	S72102C	Unspecified trochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
M80852A	Other osteoporosis with current pathological fracture, left femur	S72109A	Unspecified trochanteric fracture of unspecified femur, initial encounter for closed fracture
M80859A	Other osteoporosis with current pathological fracture, unspecified femur	S72109B	Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type I or II
S72001A	Fracture of unspecified part of neck of right femur, initial encounter for closed fracture	S72109C	Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72001B	Fracture of unspecified part of neck of right femur, initial encounter for open fracture type I or II	S72111A	Displaced fracture of greater trochanter of right femur, initial encounter for closed fracture
S72001C	Fracture of unspecified part of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72111B	Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II
S72002A	Fracture of unspecified part of neck of left femur, initial encounter for closed fracture	S72111C	Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72002B	Fracture of unspecified part of neck of left femur, initial encounter for open fracture type I or II	S72112A	Displaced fracture of greater trochanter of left femur, initial encounter for closed fracture

S72002C	Fracture of unspecified part of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72112B	Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II
S72009A	Fracture of unspecified part of neck of unspecified femur, initial encounter for closed fracture	S72112C	Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72009B	Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type I or II	S72113A	Displaced fracture of greater trochanter of unspecified femur, initial encounter for closed fracture
S72009C	Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72113B	Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II
S72011A	Unspecified intracapsular fracture of right femur, initial encounter for closed fracture	S72113C	Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72011B	Unspecified intracapsular fracture of right femur, initial encounter for open fracture type I or II	S72114A	Nondisplaced fracture of greater trochanter of right femur, initial encounter for closed fracture
S72011C	Unspecified intracapsular fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72114B	Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II
S72012A	Unspecified intracapsular fracture of left femur, initial encounter for closed fracture	S72114C	Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72012B	Unspecified intracapsular fracture of left femur, initial encounter for open fracture type I or II	S72115A	Nondisplaced fracture of greater trochanter of left femur, initial encounter for closed fracture
S72012C	Unspecified intracapsular fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72115B	Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II
S72019A	Unspecified intracapsular fracture of unspecified femur, initial encounter for closed fracture	S72115C	Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72019B	Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type I or II	S72116A	Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for closed fracture
S72019C	Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72116B	Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II
S72031A	Displaced midcervical fracture of right femur, initial encounter for closed fracture	S72116C	Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72031B	Displaced midcervical fracture of right femur, initial encounter for open fracture type I or II	S72121A	Displaced fracture of lesser trochanter of right femur, initial encounter for closed fracture
S72031C	Displaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72121B	Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II
S72032A	Displaced midcervical fracture of left femur, initial encounter for closed fracture	S72121C	Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72032B	Displaced midcervical fracture of left femur, initial encounter for open fracture type I or II	S72122A	Displaced fracture of lesser trochanter of left femur, initial encounter for closed fracture
S72032C	Displaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72122B	Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II
S72033A	Displaced midcervical fracture of unspecified femur, initial encounter for closed fracture	S72122C	Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72033B	Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II	S72123A	Displaced fracture of lesser trochanter of unspecified femur, initial encounter for closed fracture
S72033C	Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72123B	Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II

S72034A	Nondisplaced midcervical fracture of right femur, initial encounter for closed fracture	S72123C	Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72034B	Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type I or II	S72124A	Nondisplaced fracture of lesser trochanter of right femur, initial encounter for closed fracture
S72034C	Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72124B	Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II
S72035A	Nondisplaced midcervical fracture of left femur, initial encounter for closed fracture	S72124C	Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72035B	Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type I or II	S72125A	Nondisplaced fracture of lesser trochanter of left femur, initial encounter for closed fracture
S72035C	Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72125B	Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II
S72036A	Nondisplaced midcervical fracture of unspecified femur, initial encounter for closed fracture	S72125C	Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72036B	Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II	S72126A	Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for closed fracture
S72036C	Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72126B	Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II
S72041A	Displaced fracture of base of neck of right femur, initial encounter for closed fracture	S72126C	Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72041B	Displaced fracture of base of neck of right femur, initial encounter for open fracture type I or II	S72131A	Displaced apophyseal fracture of right femur, initial encounter for closed fracture
S72041C	Displaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72131B	Displaced apophyseal fracture of right femur, initial encounter for open fracture type I or II

S72042A	Displaced fracture of base of neck of left femur, initial encounter for closed fracture	S72131C	Displaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72042B	Displaced fracture of base of neck of left femur, initial encounter for open fracture type I or II	S72132A	Displaced apophyseal fracture of left femur, initial encounter for closed fracture
S72042C	Displaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72132B	Displaced apophyseal fracture of left femur, initial encounter for open fracture type I or II
S72043A	Displaced fracture of base of neck of unspecified femur, initial encounter for closed fracture	S72132C	Displaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72043B	Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II	S72133A	Displaced apophyseal fracture of unspecified femur, initial encounter for closed fracture
S72043C	Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72133B	Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II
S72044A	Nondisplaced fracture of base of neck of right femur, initial encounter for closed fracture	S72133C	Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72044B	Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type I or II	S72134A	Nondisplaced apophyseal fracture of right femur, initial encounter for closed fracture
S72044C	Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72134B	Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type I or II
S72045A	Nondisplaced fracture of base of neck of left femur, initial encounter for closed fracture	S72134C	Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72045B	Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type I or II	S72135A	Nondisplaced apophyseal fracture of left femur, initial encounter for closed fracture
S72045C	Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72135B	Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type I or II

S72046A	Nondisplaced fracture of base of neck of unspecified femur, initial encounter for closed fracture	S72135C	Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72046B	Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II	S72136A	Nondisplaced apophyseal fracture of unspecified femur, initial encounter for closed fracture
S72046C	Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72136B	Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II
S72051A	Unspecified fracture of head of right femur, initial encounter for closed fracture	S72136C	Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72051B	Unspecified fracture of head of right femur, initial encounter for open fracture type I or II	S72141A	Displaced intertrochanteric fracture of right femur, initial encounter for closed fracture
S72051C	Unspecified fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72141B	Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II
S72052A	Unspecified fracture of head of left femur, initial encounter for closed fracture	S72141C	Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72052B	Unspecified fracture of head of left femur, initial encounter for open fracture type I or II	S72142A	Displaced intertrochanteric fracture of left femur, initial encounter for closed fracture
S72052C	Unspecified fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72142B	Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II
S72059A	Unspecified fracture of head of unspecified femur, initial encounter for closed fracture	S72142C	Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72059B	Unspecified fracture of head of unspecified femur, initial encounter for open fracture type I or II	S72143A	Displaced intertrochanteric fracture of unspecified femur, initial encounter for closed fracture

S72059C	Unspecified fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72143B	Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II
S72061A	Displaced articular fracture of head of right femur, initial encounter for closed fracture	S72143C	Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72061B	Displaced articular fracture of head of right femur, initial encounter for open fracture type I or II	S72144A	Nondisplaced intertrochanteric fracture of right femur, initial encounter for closed fracture
S72061C	Displaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72144B	Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II
S72062A	Displaced articular fracture of head of left femur, initial encounter for closed fracture	S72144C	Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72062B	Displaced articular fracture of head of left femur, initial encounter for open fracture type I or II	S72145A	Nondisplaced intertrochanteric fracture of left femur, initial encounter for closed fracture
S72062C	Displaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72145B	Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II
S72063A	Displaced articular fracture of head of unspecified femur, initial encounter for closed fracture	S72145C	Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72063B	Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II	S72146A	Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for closed fracture
S72063C	Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S72146B	Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II
S72064A	Nondisplaced articular fracture of head of right femur, initial encounter for closed fracture	S72146C	Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72064B	Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type I or II	S7221XA	Displaced subtrochanteric fracture of right femur, initial encounter for closed fracture
S72064C	Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S7221XB	Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II
S72065A	Nondisplaced articular fracture of head of left femur, initial encounter for closed fracture	S7221XC	Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72065B	Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type I or II	S7222XA	Displaced subtrochanteric fracture of left femur, initial encounter for closed fracture
S72065C	Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S7222XB	Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II
S72066A	Nondisplaced articular fracture of head of unspecified femur, initial encounter for closed fracture	S7222XC	Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72066B	Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II	S7223XA	Displaced subtrochanteric fracture of unspecified femur, initial encounter for closed fracture
S72066C	Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S7223XB	Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II
S72091A	Other fracture of head and neck of right femur, initial encounter for closed fracture	S7223XC	Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72091B	Other fracture of head and neck of right femur, initial encounter for open fracture type I or II	S7224XA	Nondisplaced subtrochanteric fracture of right femur, initial encounter for closed fracture
S72091C	Other fracture of head and neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S7224XB	Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II

S72092A	Other fracture of head and neck of left femur, initial encounter for closed fracture	S7224XC	Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72092B	Other fracture of head and neck of left femur, initial encounter for open fracture type I or II	S7225XA	Nondisplaced subtrochanteric fracture of left femur, initial encounter for closed fracture
S72092C	Other fracture of head and neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S7225XB	Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II
S72099A	Other fracture of head and neck of unspecified femur, initial encounter for closed fracture	S7225XC	Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72099B	Other fracture of head and neck of unspecified femur, initial encounter for open fracture type I or II	S7226XA	Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for closed fracture
S72099C	Other fracture of head and neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	S7226XB	Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II
S72101A	Unspecified trochanteric fracture of right femur, initial encounter for closed fracture	S7226XC	Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72101B	Unspecified trochanteric fracture of right femur, initial encounter for open fracture type I or II		