



**AHRQ Quality Indicators™ (AHRQ QI™)  
ICD-9-CM and ICD-10-CM/PCS  
Specification Enhanced Version 5.0**

**Inpatient Quality Indicators #14 (IQI #14)  
Hip Replacement Mortality Rate**

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Provider-Level Indicator  
Type of Score: Rate**

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## IQI #14 Hip Replacement Mortality Rate

### 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.]*

## IQI #14 Hip Replacement Mortality Rate

<b>NUMERATOR</b>
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Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.
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### **IQI #14 Hip Replacement Mortality Rate**

<b>NUMERATOR EXCLUSIONS</b>
<i>Not Applicable</i>

### IQI #14 Hip Replacement Mortality Rate

<b>DENOMINATOR</b>			
Discharges, for patients ages 18 years and older, with any-listed ICD-9-CM or ICD-10-PCS procedure codes for a partial or full hip replacement and any-listed ICD-9-CM or ICD-10-CM diagnosis codes for osteoarthritis for pelvic region and thigh (or site unspecified or multiple sites).			
<i>Partial or full hip replacement procedure codes: (MTHIPRP)</i>			
<b>ICD-9-CM</b>	<b>Description</b>	<b>ICD-10-PCS</b>	<b>Description</b>
0070	REV HIP REPL-ACETAB/FEM	0SR9019	Replacement of Right Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach
0071	REV HIP REPL-ACETAB COMP	0SR901A	Replacement of Right Hip Joint with Metal Synthetic Substitute, Uncemented, Open Approach
0072	REV HIP REPL-FEM COMP	0SR901Z	Replacement of Right Hip Joint with Metal Synthetic Substitute, Open Approach
0073	REV HIP REPL-LINER/HEAD	0SR9029	Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Cemented, Open Approach
8151	TOTAL HIP REPLACEMENT	0SR902A	Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Uncemented, Open Approach
8152	PARTIAL HIP REPLACEMENT	0SR902Z	Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Open Approach
8153	REVISE HIP REPLACEMENT	0SR9039	Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Cemented, Open Approach
		0SR903A	Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Uncemented, Open Approach
		0SR903Z	Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Open Approach

## IQI #14 Hip Replacement Mortality Rate

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0SR9049	Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach
0SR904A	Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Uncemented, Open Approach
0SR904Z	Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Open Approach
0SR907Z	Replacement of Right Hip Joint with Autologous Tissue Substitute, Open Approach
0SR90J9	Replacement of Right Hip Joint with Synthetic Substitute, Cemented, Open Approach
0SR90JA	Replacement of Right Hip Joint with Synthetic Substitute, Uncemented, Open Approach
0SR90JZ	Replacement of Right Hip Joint with Synthetic Substitute, Open Approach
0SR90KZ	Replacement of Right Hip Joint with Nonautologous Tissue Substitute, Open Approach
0SRA009	Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Cemented, Open Approach
0SRA00A	Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Uncemented, Open Approach
0SRA00Z	Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Open Approach
0SRA019	Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Cemented, Open Approach

## IQI #14 Hip Replacement Mortality Rate

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0SRA01A	Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Uncemented, Open Approach
0SRA01Z	Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Open Approach
0SRA039	Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Cemented, Open Approach
0SRA03A	Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach
0SRA03Z	Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Open Approach
0SRA07Z	Replacement of Right Hip Joint, Acetabular Surface with Autologous Tissue Substitute, Open Approach
0SRA0J9	Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Cemented, Open Approach
0SRA0JA	Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Uncemented, Open Approach
0SRA0JZ	Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Open Approach
0SRA0KZ	Replacement of Right Hip Joint, Acetabular Surface with Nonautologous Tissue Substitute, Open Approach
0SRB019	Replacement of Left Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach
0SRB01A	Replacement of Left Hip Joint with Metal Synthetic Substitute, Uncemented, Open Approach
0SRB01Z	Replacement of Left Hip Joint with Metal Synthetic Substitute, Open Approach
0SRB029	Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Cemented, Open Approach

## IQI #14 Hip Replacement Mortality Rate

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0SRB02A	Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Uncemented, Open Approach
0SRB02Z	Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Open Approach
0SRB039	Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Cemented, Open Approach
0SRB03A	Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Uncemented, Open Approach
0SRB03Z	Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Open Approach
0SRB049	Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach
0SRB04A	Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Uncemented, Open Approach
0SRB04Z	Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Open Approach
0SRB07Z	Replacement of Left Hip Joint with Autologous Tissue Substitute, Open Approach
0SRB0J9	Replacement of Left Hip Joint with Synthetic Substitute, Cemented, Open Approach
0SRB0JA	Replacement of Left Hip Joint with Synthetic Substitute, Uncemented, Open Approach
0SRB0JZ	Replacement of Left Hip Joint with Synthetic Substitute, Open Approach
0SRB0KZ	Replacement of Left Hip Joint with Nonautologous Tissue Substitute, Open Approach
0SRE009	Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Cemented, Open Approach



## IQI #14 Hip Replacement Mortality Rate

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0SRE00A	Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Uncemented, Open Approach
0SRE00Z	Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Open Approach
0SRE019	Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Cemented, Open Approach
0SRE01A	Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Uncemented, Open Approach
0SRE01Z	Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Open Approach
0SRE039	Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Cemented, Open Approach
0SRE03A	Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach
0SRE03Z	Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Open Approach
0SRE07Z	Replacement of Left Hip Joint, Acetabular Surface with Autologous Tissue Substitute, Open Approach
0SRE0J9	Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Cemented, Open Approach
0SRE0JA	Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Uncemented, Open Approach
0SRE0JZ	Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Open Approach

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0SRE0KZ	Replacement of Left Hip Joint, Acetabular Surface with Nonautologous Tissue Substitute, Open Approach
0SRR019	Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Cemented, Open Approach
0SRR01A	Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Uncemented, Open Approach
0SRR01Z	Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Open Approach
0SRR039	Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Cemented, Open Approach
0SRR03A	Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach
0SRR03Z	Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Open Approach
0SRR07Z	Replacement of Right Hip Joint, Femoral Surface with Autologous Tissue Substitute, Open Approach
0SRR0J9	Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach
0SRR0JA	Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach
0SRR0JZ	Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Open Approach
0SRR0KZ	Replacement of Right Hip Joint, Femoral Surface with Nonautologous Tissue Substitute, Open Approach
0SRS019	Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Cemented, Open Approach

## IQI #14 Hip Replacement Mortality Rate

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0SRS01A	Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Uncemented, Open Approach
0SRS01Z	Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Open Approach
0SRS039	Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Cemented, Open Approach
0SRS03A	Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach
0SRS03Z	Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Open Approach
0SRS07Z	Replacement of Left Hip Joint, Femoral Surface with Autologous Tissue Substitute, Open Approach
0SRS0J9	Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach
0SRS0JA	Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach
0SRS0JZ	Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Open Approach
0SRS0KZ	Replacement of Left Hip Joint, Femoral Surface with Nonautologous Tissue Substitute, Open Approach
0SU909Z	Supplement Right Hip Joint with Liner, Open Approach
0SUA09Z	Supplement Right Hip Joint, Acetabular Surface with Liner, Open Approach
0SUB09Z	Supplement Left Hip Joint with Liner, Open Approach
0SUE09Z	Supplement Left Hip Joint, Acetabular Surface with Liner, Open Approach
0SUR09Z	Supplement Right Hip Joint, Femoral Surface with Liner, Open Approach

0SUS09Z	Supplement Left Hip Joint, Femoral Surface with Liner, Open Approach
0SW90JZ	Revision of Synthetic Substitute in Right Hip Joint, Open Approach
0SWB0JZ	Revision of Synthetic Substitute in Left Hip Joint, Open Approach

<b><i>Osteoarthritis for pelvic region and thigh (or site unspecified or multiple sites) diagnosis codes: (MTHIPRD)</i></b>			
<b>ICD-9-CM</b>	<b>Description</b>	<b>ICD-10-CM</b>	<b>Description</b>

<b>ICD-9-CM</b>	<b>Description</b>	<b>ICD-10-CM</b>	<b>Description</b>
71500	GENL OSTEOARTHROSIS NOS	M129	Arthropathy, unspecified
71509	GENL OSTEOARTHROSIS MULT	M130	Polyarthritis, unspecified
71510	LOC PRIM OSTEOART-UNSPEC	M1310	Monoarthritis, not elsewhere classified, unspecified site
71515	LOC PRIM OSTEOART-PELVIS	M13151	Monoarthritis, not elsewhere classified, right hip
71518	LOC PRIM OSTEOARTHROS NEC	M13152	Monoarthritis, not elsewhere classified, left hip
71520	LOC 2ND OSTEOARTH-UNSPEC	M13159	Monoarthritis, not elsewhere classified, unspecified hip
71525	LOC 2ND OSTEOARTH-PELVIS	M150	Primary generalized (osteo)arthritis
71528	LOC 2ND OSTEOARTHROS NEC	M153	Secondary multiple arthritis
71530	LOC OSTEOARTHROS NOS-UNSPEC	M154	Erosive (osteo)arthritis
71535	LOC OSTEOARTHROS NOS-PELVIS	M158	Other polyosteoarthritis
71538	LOC OSTEOARTHROS NOS-SITE NEC	M159	Polyosteoarthritis, unspecified
71580	OSTEOARTHROSIS-MULT SITE	M160	Bilateral primary osteoarthritis of hip
71589	OSTEOARTHROSIS-MULT SITE	M1610	Unilateral primary osteoarthritis, unspecified hip
71590	OSTEOARTHROSIS NOS-UNSPEC	M1611	Unilateral primary osteoarthritis, right hip
71595	OSTEOARTHROSIS NOS-PELVIS	M1612	Unilateral primary osteoarthritis, left hip
71598	OSTEOARTHROSIS NOS-OTH SITE	M162	Bilateral osteoarthritis resulting from hip dysplasia
71650	POLYARTHROSIS NOS-UNSPEC	M1630	Unilateral osteoarthritis resulting from hip dysplasia, unspecified hip
71655	POLYARTHROSIS NOS-PELVIS	M1631	Unilateral osteoarthritis resulting from hip dysplasia, right hip

## IQI #14 Hip Replacement Mortality Rate

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71658	POLYARTHRIT NOS-OTH SITE	M1632	Unilateral osteoarthritis resulting from hip dysplasia, left hip
71659	POLYARTHRITIS NOS-MULT	M164	Bilateral post-traumatic osteoarthritis of hip
71660	MONOARTHRITIS NOS-UNSPEC	M1650	Unilateral post-traumatic osteoarthritis, unspecified hip
71665	MONOARTHRITIS NOS-PELVIS	M1651	Unilateral post-traumatic osteoarthritis, right hip
71668	MONOARTHRIT NOS-OTH SITE	M1652	Unilateral post-traumatic osteoarthritis, left hip
71690	ARTHROPATHY NOS-UNSPEC	M166	Other bilateral secondary osteoarthritis of hip
71695	ARTHROPATHY NOS-PELVIS	M167	Other unilateral secondary osteoarthritis of hip
71698	ARTHROPATHY NOS-OTH SITE	M169	Osteoarthritis of hip, unspecified
71699	ARTHROPATHY NOS-MULT	M1990	Unspecified osteoarthritis, unspecified site
		M1991	Primary osteoarthritis, unspecified site
		M1992	Post-traumatic osteoarthritis, unspecified site
		M1993	Secondary osteoarthritis, unspecified site

**[IQI #14 Hip Replacement Mortality Rate**

<b>DENOMINATOR EXCLUSIONS</b>			
Exclude cases:			
<ul style="list-style-type: none"> <li>• with any-listed ICD-9-CM or ICD-10-CM diagnosis codes for hip fracture</li> <li>• transferring to another short-term hospital (DISP=2)</li> <li>• MDC 14 (pregnancy, childbirth, and puerperium)</li> <li>• with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)</li> </ul>			
<b><i>Hip fracture diagnosis codes: (MTHIPFD)</i></b>			
<b>ICD-9-CM</b>	<b>Description</b>	<b>ICD-10-CM</b>	<b>Description</b>
82000	FX FEMUR INTRCAPS NOS-CL	M80051	Age-related osteoporosis with current pathological fracture, right femur
82001	FX UP FEMUR EPIPHY-CLOS	M80052	Age-related osteoporosis with current pathological fracture, left femur
82002	FX FEMUR, MIDCERVIC-CLOS	M80059	Age-related osteoporosis with current pathological fracture, unspecified femur
82003	FX BASE FEMORAL NCK-CLOS	M80851	Other osteoporosis with current pathological fracture, right femur
82009	FX FEMUR INTRCAPS NEC-CL	M80852	Other osteoporosis with current pathological fracture, left femur
82010	FX FEMUR INTRCAP NOS-OPN	M80859	Other osteoporosis with current pathological fracture, unspecified femur
82011	FX UP FEMUR EPIPHY-OPEN	S72001A	Fracture of unspecified part of neck of right femur, initial encounter for closed fracture
82012	FX FEMUR, MIDCERVIC-OPEN	S72001B	Fracture of unspecified part of neck of right femur, initial encounter for open fracture type I or II
82013	FX BASE FEMORAL NCK-OPEN	S72001C	Fracture of unspecified part of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

## IQI #14 Hip Replacement Mortality Rate

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82019	FX FEMUR INTRCAP NEC-OPN	S72002A	Fracture of unspecified part of neck of left femur, initial encounter for closed fracture
82020	TROCHANTERIC FX NOS-CLOS	S72002B	Fracture of unspecified part of neck of left femur, initial encounter for open fracture type I or II
82021	INTERTROCHANTERIC FX-CL	S72002C	Fracture of unspecified part of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
82022	SUBTROCHANTERIC FX-CLOSE	S72009A	Fracture of unspecified part of neck of unspecified femur, initial encounter for closed fracture
82030	TROCHANTERIC FX NOS-OPEN	S72009B	Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type I or II
82031	INTERTROCHANTERIC FX-OPN	S72009C	Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
82032	SUBTROCHANTERIC FX-OPEN	S72011A	Unspecified intracapsular fracture of right femur, initial encounter for closed fracture
8208	FX NECK OF FEMUR NOS-CL	S72011B	Unspecified intracapsular fracture of right femur, initial encounter for open fracture type I or II
8209	FX NECK OF FEMUR NOS-OPN	S72011C	Unspecified intracapsular fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
		S72012A	Unspecified intracapsular fracture of left femur, initial encounter for closed fracture
		S72012B	Unspecified intracapsular fracture of left femur, initial encounter for open fracture type I or II
		S72012C	Unspecified intracapsular fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
		S72019A	Unspecified intracapsular fracture of unspecified femur, initial encounter for closed fracture
		S72019B	Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type I or II

S72019C	Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72031A	Displaced midcervical fracture of right femur, initial encounter for closed fracture
S72031B	Displaced midcervical fracture of right femur, initial encounter for open fracture type I or II
S72031C	Displaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72032A	Displaced midcervical fracture of left femur, initial encounter for closed fracture
S72032B	Displaced midcervical fracture of left femur, initial encounter for open fracture type I or II
S72032C	Displaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72033A	Displaced midcervical fracture of unspecified femur, initial encounter for closed fracture
S72033B	Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II
S72033C	Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72034A	Nondisplaced midcervical fracture of right femur, initial encounter for closed fracture
S72034B	Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type I or II
S72034C	Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72035A	Nondisplaced midcervical fracture of left femur, initial encounter for closed fracture
S72035B	Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type I or II



S72035C	Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72036A	Nondisplaced midcervical fracture of unspecified femur, initial encounter for closed fracture
S72036B	Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II
S72036C	Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72041A	Displaced fracture of base of neck of right femur, initial encounter for closed fracture
S72041B	Displaced fracture of base of neck of right femur, initial encounter for open fracture type I or II
S72041C	Displaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72042A	Displaced fracture of base of neck of left femur, initial encounter for closed fracture
S72042B	Displaced fracture of base of neck of left femur, initial encounter for open fracture type I or II
S72042C	Displaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72043A	Displaced fracture of base of neck of unspecified femur, initial encounter for closed fracture
S72043B	Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II
S72043C	Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72044A	Nondisplaced fracture of base of neck of right femur, initial encounter for closed fracture
S72044B	Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type I or II
S72044C	Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72045A	Nondisplaced fracture of base of neck of left femur, initial encounter for closed fracture
S72045B	Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type I or II
S72045C	Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72046A	Nondisplaced fracture of base of neck of unspecified femur, initial encounter for closed fracture
S72046B	Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II
S72046C	Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72051A	Unspecified fracture of head of right femur, initial encounter for closed fracture
S72051B	Unspecified fracture of head of right femur, initial encounter for open fracture type I or II
S72051C	Unspecified fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72052A	Unspecified fracture of head of left femur, initial encounter for closed fracture
S72052B	Unspecified fracture of head of left femur, initial encounter for open fracture type I or II
S72052C	Unspecified fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72059A	Unspecified fracture of head of unspecified femur, initial encounter for closed fracture
S72059B	Unspecified fracture of head of unspecified femur, initial encounter for open fracture type I or II
S72059C	Unspecified fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72061A	Displaced articular fracture of head of right femur, initial encounter for closed fracture
S72061B	Displaced articular fracture of head of right femur, initial encounter for open fracture type I or II
S72061C	Displaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72062A	Displaced articular fracture of head of left femur, initial encounter for closed fracture
S72062B	Displaced articular fracture of head of left femur, initial encounter for open fracture type I or II
S72062C	Displaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72063A	Displaced articular fracture of head of unspecified femur, initial encounter for closed fracture
S72063B	Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II
S72063C	Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72064A	Nondisplaced articular fracture of head of right femur, initial encounter for closed fracture
S72064B	Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type I or II
S72064C	Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72065A	Nondisplaced articular fracture of head of left femur, initial encounter for closed fracture
S72065B	Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type I or II
S72065C	Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72066A	Nondisplaced articular fracture of head of unspecified femur, initial encounter for closed fracture
S72066B	Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II
S72066C	Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72091A	Other fracture of head and neck of right femur, initial encounter for closed fracture
S72091B	Other fracture of head and neck of right femur, initial encounter for open fracture type I or II
S72091C	Other fracture of head and neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72092A	Other fracture of head and neck of left femur, initial encounter for closed fracture
S72092B	Other fracture of head and neck of left femur, initial encounter for open fracture type I or II
S72092C	Other fracture of head and neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72099A	Other fracture of head and neck of unspecified femur, initial encounter for closed fracture
S72099B	Other fracture of head and neck of unspecified femur, initial encounter for open fracture type I or II
S72099C	Other fracture of head and neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72101A	Unspecified trochanteric fracture of right femur, initial encounter for closed fracture
S72101B	Unspecified trochanteric fracture of right femur, initial encounter for open fracture type I or II
S72101C	Unspecified trochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72102A	Unspecified trochanteric fracture of left femur, initial encounter for closed fracture
S72102B	Unspecified trochanteric fracture of left femur, initial encounter for open fracture type I or II
S72102C	Unspecified trochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72109A	Unspecified trochanteric fracture of unspecified femur, initial encounter for closed fracture
S72109B	Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type I or II
S72109C	Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72111A	Displaced fracture of greater trochanter of right femur, initial encounter for closed fracture
S72111B	Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II
S72111C	Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72112A	Displaced fracture of greater trochanter of left femur, initial encounter for closed fracture
S72112B	Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II
S72112C	Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72113A	Displaced fracture of greater trochanter of unspecified femur, initial encounter for closed fracture
S72113B	Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II
S72113C	Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72114A	Nondisplaced fracture of greater trochanter of right femur, initial encounter for closed fracture
S72114B	Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II
S72114C	Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72115A	Nondisplaced fracture of greater trochanter of left femur, initial encounter for closed fracture
S72115B	Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II
S72115C	Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72116A	Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for closed fracture
S72116B	Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II
S72116C	Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72121A	Displaced fracture of lesser trochanter of right femur, initial encounter for closed fracture
S72121B	Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II
S72121C	Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72122A	Displaced fracture of lesser trochanter of left femur, initial encounter for closed fracture

S72122B	Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II
S72122C	Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72123A	Displaced fracture of lesser trochanter of unspecified femur, initial encounter for closed fracture
S72123B	Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II
S72123C	Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72124A	Nondisplaced fracture of lesser trochanter of right femur, initial encounter for closed fracture
S72124B	Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II
S72124C	Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72125A	Nondisplaced fracture of lesser trochanter of left femur, initial encounter for closed fracture
S72125B	Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II
S72125C	Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72126A	Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for closed fracture
S72126B	Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II
S72126C	Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72131A	Displaced apophyseal fracture of right femur, initial encounter for closed fracture
S72131B	Displaced apophyseal fracture of right femur, initial encounter for open fracture type I or II
S72131C	Displaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72132A	Displaced apophyseal fracture of left femur, initial encounter for closed fracture
S72132B	Displaced apophyseal fracture of left femur, initial encounter for open fracture type I or II
S72132C	Displaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72133A	Displaced apophyseal fracture of unspecified femur, initial encounter for closed fracture
S72133B	Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II
S72133C	Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72134A	Nondisplaced apophyseal fracture of right femur, initial encounter for closed fracture
S72134B	Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type I or II
S72134C	Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72135A	Nondisplaced apophyseal fracture of left femur, initial encounter for closed fracture
S72135B	Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type I or II
S72135C	Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC



S72136A	Nondisplaced apophyseal fracture of unspecified femur, initial encounter for closed fracture
S72136B	Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II
S72136C	Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72141A	Displaced intertrochanteric fracture of right femur, initial encounter for closed fracture
S72141B	Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II
S72141C	Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72142A	Displaced intertrochanteric fracture of left femur, initial encounter for closed fracture
S72142B	Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II
S72142C	Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72143A	Displaced intertrochanteric fracture of unspecified femur, initial encounter for closed fracture
S72143B	Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II
S72143C	Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72144A	Nondisplaced intertrochanteric fracture of right femur, initial encounter for closed fracture
S72144B	Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II
S72144C	Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

S72145A	Nondisplaced intertrochanteric fracture of left femur, initial encounter for closed fracture
S72145B	Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II
S72145C	Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S72146A	Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for closed fracture
S72146B	Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II
S72146C	Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S7221XA	Displaced subtrochanteric fracture of right femur, initial encounter for closed fracture
S7221XB	Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II
S7221XC	Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S7222XA	Displaced subtrochanteric fracture of left femur, initial encounter for closed fracture
S7222XB	Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II
S7222XC	Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S7223XA	Displaced subtrochanteric fracture of unspecified femur, initial encounter for closed fracture
S7223XB	Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II

S7223XC	Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S7224XA	Nondisplaced subtrochanteric fracture of right femur, initial encounter for closed fracture
S7224XB	Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II
S7224XC	Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S7225XA	Nondisplaced subtrochanteric fracture of left femur, initial encounter for closed fracture
S7225XB	Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II
S7225XC	Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
S7226XA	Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for closed fracture
S7226XB	Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II
S7226XC	Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC