

# Inpatient Quality Indicator 19 (IQI 19) Hip Fracture Mortality August 2025

## Hospital-Level Indicator

### Type of Score: Rate

#### Prepared by:

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

[qualityindicators.ahrq.gov](http://qualityindicators.ahrq.gov)

#### DESCRIPTION

In-hospital deaths per 1,000 hospital discharges with hip fracture as a principal diagnosis for patients ages 65 years and older. Excludes periprosthetic fracture discharges, discharges admitted from a hospice facility, transfers to another hospital, and obstetric discharges.

*[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 discharges meeting the inclusion and exclusion rules for the denominator.

#### DENOMINATOR

Discharges, for patients ages 65 years and older, with a principal ICD-10-CM diagnosis code for hip fracture (**MTHIPFD\***) .

## DENOMINATOR EXCLUSIONS

Exclude discharges:

- with any listed ICD-10-CM diagnosis code for periprosthetic fracture (***MTHIP2D\****)
- admitted from a hospice facility (PointOfOriginUB04=F)
- transferring to another short-term hospital (DISP=2)
- with a principal ICD-10-CM diagnosis code assigned to MDC 14 Pregnancy, Childbirth & the Puerperium (***Appendix B: MDC14PRINDX***)
- with a principal ICD-10-CM diagnosis code assigned to MDC 15 Newborns & Other Neonates with Conditions Originating in Perinatal Period (***Appendix B: MDC15PRINDX***)
- with an ungroupable DRG (DRG=999)
- with missing discharge disposition (DISP=missing), sex (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)
- with missing MDC (MDC=missing) when user indicates that MDC is provided

### [Appendix B — MDC 14 and 15 Principal Diagnosis Codes](#)

\* See below for code list

***Hip fracture diagnosis codes: (MTHIPFD)***

|         |                                                                                                                         |         |                                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------|
| M80051A | Age-Related osteoporosis with current pathological fracture, right femur, initial encounter for fracture                | 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, initial encounter for fracture                 | S72102A | Unspecified trochanteric fracture of left femur, initial encounter for closed fracture                                |
| M80059A | Age-Related osteoporosis with current pathological fracture, unspecified femur, initial encounter for fracture          | 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, initial encounter for fracture                      | 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, initial encounter for fracture                       | S72109A | Unspecified trochanteric fracture of unspecified femur, initial encounter for closed fracture                         |
| M80859A | Other osteoporosis with current pathological fracture, unspecified femur, initial encounter for fracture                | 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       |

***Hip fracture diagnosis codes: (MTHIPFD)***

|         |                                                                                                                       |         |                                                                                                                                |
|---------|-----------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------|
| 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                        |

***Hip fracture diagnosis codes: (MTHIPFD)***

|         |                                                                                                                      |         |                                                                                                                               |
|---------|----------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------|
| 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                                |

***Hip fracture diagnosis codes: (MTHIPFD)***

|         |                                                                                                                          |         |                                                                                                                     |
|---------|--------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------|
| 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 |

***Hip fracture diagnosis codes: (MTHIPFD)***

|         |                                                                                                                   |         |                                                                                                                         |
|---------|-------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------|
| 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                     |

***Hip fracture diagnosis codes: (MTHIPFD)***

|         |                                                                                                                            |         |                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------|
| 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                      |

***Hip fracture diagnosis codes: (MTHIPFD)***

|         |                                                                                                                    |         |                                                                                                                          |
|---------|--------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------|
| 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                 |         |                                                                                                                          |

*Periprosthetic fracture diagnosis codes: (MTHIP2D)*

|         |                                                                                       |         |                                                                                       |
|---------|---------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|
| M9701XA | Periprosthetic fracture around internal prosthetic right hip joint, initial encounter | T84040A | Periprosthetic fracture around internal prosthetic right hip joint, initial encounter |
| M9702XA | Periprosthetic fracture around internal prosthetic left hip joint, initial encounter  | T84041A | Periprosthetic fracture around internal prosthetic left hip joint, initial encounter  |