Hip Fracture Mortality Rate
Technical Specifications

Inpatient Quality Indicators #19 (IQI #19)
AHRQ Quality Indicators™, Version 5.0
March 2015
Provider-Level Indicator
Type of Score: Rate

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, 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 65 years and older, with a principal ICD-9-CM diagnosis code for hip fracture.

ICD-9-CM Hip fracture diagnosis codes:

- 82000 FX FEMUR INTRCAPS NOS-CL
- 82001 FX UP FEMUR EPIPHY-CLOS
- 82002 FX FEMUR, MIDCERVIC-CLOS
- 82003 FX BASE FEMORAL NCK-CLOS
- 82009 FX FEMUR INTRCAPS NEC-CL
- 82010 FX FEMUR INTRCAP NOS-OPN
- 82011 FX UP FEMUR EPIPHY-OPEN
- 82012 FX FEMUR, MIDCERVIC-OPEN
- 82013 FX BASE FEMORAL NCK-OPEN
- 82019 FX FEMUR INTRCAP NEC-OPN
- 82020 TROCHANTERIC FX NOS-CLOS
- 82021 INTERTROCHANTERIC FX-CL
- 82022 SUBTROCHANTERIC FX-CLOSE
- 82030 TROCHANTERIC FX NOS-OPEN
- 82031 INTERTROCHANTERIC FX-OPEN
- 82032 SUBTROCHANTERIC FX-OPEN
- 82038 FX NECK OF FEMUR NOS-CL
- 82039 FX NECK OF FEMUR NOS-OPN

Exclude cases:
- with any-listed ICD-9-CM diagnosis codes for periprosthetic fracture
- 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)

ICD-9-CM Periprosthetic fracture diagnosis code:
99644 PERIPROSTHETIC FX-PROS JT