



IQI #14 Hip Replacement Mortality Rate

Provider-Level Indicator

Mortality Indicator for Inpatient Procedures

Numerator

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

Denominator

All discharges, age 18 years and older, with a partial or full hip replacement code of procedure.

ICD-9-CM Hip Replacement procedure codes:

| | | | |
|------|--------------------------------|------|---------------------------------|
| 8151 | TOTAL HIP REPLACEMENT | 0071 | REV HIP REPL-ACETAB COMP OCT05- |
| 8152 | PARTIAL HIP REPLACEMENT | 0072 | REV HIP REPL-FEM COMP OCT05- |
| 8153 | REVISE HIP REPLACEMENT | 0073 | REV HIP REPL-LINER/HEAD OCT05- |
| 0070 | REV HIP REPL-ACETAB/FEM OCT05- | | |

Include only discharges with uncomplicated cases: code for osteoarthritis of hip in any diagnosis field.

ICD-9-CM Osteoarthritis diagnosis codes:

| | | | |
|-------|--------------------------|-------|----------------------------|
| 71500 | GENL OSTEOARTHROSIS NOS | 71595 | OSTEOARTHROS NOS-PELVIS |
| 71509 | GENL OSTEOARTHROSIS MULT | 71598 | OSTEOARTHRO NOS-OTH SITE |
| 71510 | LOC PRIM OSTEOART-UNSPEC | 71650 | POLYARTHROSIS NOS-UNSPEC |
| 71515 | LOC PRIM OSTEOART-PELVIS | 71655 | POLYARTHROSIS NOS-PELVIS |
| 71518 | LOC PRIM OSTEOARTH NEC | 71658 | POLYARTHROSIS NOS-OTH SITE |
| 71520 | LOC 2ND OSTEOARTH-UNSPEC | 71659 | POLYARTHROSIS NOS-MULT |
| 71525 | LOC 2ND OSTEOARTH-PELVIS | 71660 | MONOARTHROSIS NOS-UNSPEC |
| 71528 | LOC 2ND OSTEOARTHROS NEC | 71665 | MONOARTHROSIS NOS-PELVIS |
| 71530 | LOC OSTEOARTH NOS-UNSPEC | 71668 | MONOARTHROSIS NOS-OTH SITE |
| 71535 | LOC OSTEOARTH NOS-PELVIS | 71690 | ARTHROPATHY NOS-UNSPEC |
| 71538 | LOC OSTEOAR NOS-SITE NEC | 71695 | ARTHROPATHY NOS-PELVIS |
| 71580 | OSTEOARTHROSIS-MULT SITE | 71698 | ARTHROPATHY NOS-OTH SITE |
| 71589 | OSTEOARTHROSIS-MULT SITE | 71699 | ARTHROPATHY NOS-MULT |
| 71590 | OSTEOARTHROS NOS-UNSPEC | | |

Exclude cases:

- with any diagnosis of hip fracture
- missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1 =missing)
- transferring to another short-term hospital (DISP=2)
- MDC 14 (pregnancy, childbirth, and puerperium)

ICD-9-CM Hip Fracture diagnosis codes:

| | | | |
|-------|--------------------------|-------|--------------------------|
| 82000 | FX FEMUR INTRCAPS NOS-CL | 82019 | FX FEMUR INTRCAP NEC-OPN |
| 82001 | FX UP FEMUR EPIPHY-CLOS | 82020 | TROCHANTERIC FX NOS-CLOS |
| 82002 | FX FEMUR, MIDCERVIC-CLOS | 82021 | INTERTROCHANTERIC FX-CL |
| 82003 | FX BASE FEMORAL NCK-CLOS | 82022 | SUBTROCHANTERIC FX-CLOSE |
| 82009 | FX FEMUR INTRCAPS NEC-CL | 82030 | TROCHANTERIC FX NOS-OPEN |
| 82010 | FX FEMUR INTRCAP NOS-OPN | 82031 | INTERTROCHANTERIC FX-OPN |
| 82011 | FX UP FEMUR EPIPHY-OPEN | 82032 | SUBTROCHANTERIC FX-OPEN |
| 82012 | FX FEMUR, MIDCERVIC-OPEN | 8208 | FX NECK OF FEMUR NOS-CL |
| 82013 | FX BASE FEMORAL NCK-OPEN | 8209 | FX NECK OF FEMUR NOS-OPN |