

# Hip Replacement Mortality Rate

## Inpatient Quality Indicators #14

### Technical Specifications

#### Provider-Level Indicator

#### Procedure Mortality Indicator

#### AHRQ Quality Indicator, Version 4.3, August 2011

Version 4.3a is a maintenance release of Version 4.3. The differences between the two versions are:

- Version 4.3a includes Version 29 of the Limited License edition of the 3M™ APR-DRG Grouper. This grouper corrects an issue found in Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper. The grouper is only used with the Inpatient Quality Indicator (IQI) mortality measures. Version 4.3 includes Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper, which was incorrectly assigning a Risk of Mortality (ROM) subclass for cases dated on or after 10/1/10.
- Version 4.3a allows users to calculate area-level indicators for years 2010 and 2011, correcting an issue previously identified in Version 4.3.

All other aspects of the software, including measure specifications, remain the same. Thus this document (related to Version 4.3) remains unchanged.

### 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 procedure code .

#### 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 pelvic region and thigh (or site unspecified or multiple sites)in any diagnosis field.

#### ICD-9-CM Osteoarthritis diagnosis codes:

71500	GENL OSTEOARTHRISIS NOS	71538	LOC OSTEOAR NOS-SITE NEC
71509	GENL OSTEOARTHRISIS MULT	71580	OSTEOARTHRISIS-MULT SITE
71510	LOC PRIM OSTEOART-UNSPEC	71589	OSTEOARTHRISIS-MULT SITE
71515	LOC PRIM OSTEOART-PELVIS	71590	OSTEOARTHRIS NOS-UNSPEC
71518	LOC PRIM OSTEOARTHR NEC	71595	OSTEOARTHRIS NOS-PELVIS
71520	LOC 2ND OSTEOARTH-UNSPEC	71598	OSTEOARTHRO NOS-OTH SITE
71525	LOC 2ND OSTEOARTH-PELVIS	71650	POLYARTHRITIS NOS-UNSPEC
71528	LOC 2ND OSTEOARTHROS NEC	71655	POLYARTHRITIS NOS-PELVIS
71530	LOC OSTEOARTH NOS-UNSPEC	71658	POLYARTHRITIS NOS-OTH SITE
71535	LOC OSTEOARTH NOS-PELVIS	71659	POLYARTHRITIS NOS-MULT

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71660	MONOARTHROSIS NOS-UNSPEC	71695	ARTHROPATHY NOS-PELVIS
71665	MONOARTHROSIS NOS-PELVIS	71698	ARTHROPATHY NOS-OTH SITE
71668	MONOARTHROSIS NOS-OTH SITE	71699	ARTHROPATHY NOS-MULT
71690	ARTHROPATHY NOS-UNSPEC		

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Exclude cases:

- with any diagnosis of hip 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 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