

Hip Replacement Mortality Rate Technical Specifications

Inpatient Quality Indicators #14 (IQI #14)

AHRQ Quality Indicator™, Version 5.0

March 2015

Provider-Level Indicator

Type of Score: 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.]

Numerator

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

Denominator

Discharges, for patients ages 18 years and older, with any-listed ICD-9-CM procedure codes for a partial or full hip replacement and any-listed ICD-9-CM diagnosis codes for osteoarthritis for pelvic region and thigh (or site unspecified or multiple sites) .

ICD-9-CM Partial or full hip replacement procedure codes:

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

ICD-9-CM Osteoarthritis for pelvic region and thigh (or site unspecified or multiple sites) diagnosis codes:

71500	GENL OSTEOARTHROSIS NOS	71595	OSTEOARTHROS NOS-PELVIS
71509	GENL OSTEOARTHROSIS MULT	71598	OSTEOARTHRO NOS-OTH SITE
71510	LOC PRIM OSTEOARTH-UNSPEC	71650	POLYARTHROSIS NOS-UNSPEC
71515	LOC PRIM OSTEOARTH-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 OSTEOARTH-NEC	71665	MONOARTHROSIS NOS-PELVIS
71530	LOC OSTEOARTH NOS-UNSPEC	71668	MONOARTHROSIS NOS-OTH SITE

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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-listed ICD-9-CM diagnosis codes for 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