

Hip Replacement Mortality Rate

Inpatient Quality Indicators #14

Technical Specifications

Provider-Level Indicator

Procedure Mortality Indicator

AHRQ Quality Indicator, Version 4.3, August 2011

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	71595	OSTEOARTHRISIS NOS-PELVIS
71509	GENL OSTEOARTHRISIS MULT	71598	OSTEOARTHRISIS NOS-OTH SITE
71510	LOC PRIM OSTEOART-UNSPEC	71650	POLYARTHRITIS NOS-UNSPEC
71515	LOC PRIM OSTEOART-PELVIS	71655	POLYARTHRITIS NOS-PELVIS
71518	LOC PRIM OSTEOARTHR NEC	71658	POLYARTHRITIS NOS-OTH SITE
71520	LOC 2ND OSTEOARTH-UNSPEC	71659	POLYARTHRITIS NOS-MULT
71525	LOC 2ND OSTEOARTH-PELVIS	71660	MONOARTHRITIS NOS-UNSPEC
71528	LOC 2ND OSTEOARTHRIS NEC	71665	MONOARTHRITIS NOS-PELVIS
71530	LOC OSTEOARTH NOS-UNSPEC	71668	MONOARTHRITIS NOS-OTH SITE
71535	LOC OSTEOARTH NOS-PELVIS	71690	ARTHROPATHY NOS-UNSPEC
71538	LOC OSTEOARTH NOS-SITE NEC	71695	ARTHROPATHY NOS-PELVIS
71580	OSTEOARTHRISIS-MULT SITE	71698	ARTHROPATHY NOS-OTH SITE
71589	OSTEOARTHRISIS-MULT SITE	71699	ARTHROPATHY NOS-MULT
71590	OSTEOARTHRISIS NOS-UNSPEC		

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