

# Accidental Puncture or Laceration Rate

## Pediatric Quality Indicators #1

### Technical Specifications

#### Provider-Level Indicator

AHRQ Quality Indicators, Version 4.4, March 2012

### Numerator

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM code denoting accidental cut, puncture, perforation, or laceration during a procedure in any secondary diagnosis field.

#### ICD-9-CM Accidental puncture or laceration diagnosis codes:

E8700	ACC CUT/HEM IN SURGERY	E8706	ACC CUT/HEM W HEART CATH
E8701	ACC CUT/HEM IN INFUSION	E8707	ACC CUT/HEM W ENEMA
E8702	ACC CUT/HEM-PERFUSN NEC	E8708	ACC CUT IN MED CARE NEC
E8703	ACC CUT/HEM IN INJECTION	E8709	ACC CUT IN MED CARE NOS
E8704	ACC CUT/HEM W SCOPE EXAM	9982	ACCIDENTAL OP LACERATION
E8705	ACC CUT/HEM W CATHETERIZ		

### Denominator

All surgical and medical discharges under age 18 defined by specific DRGs or MS-DRGs.

See *Pediatric Quality Indicators Appendices*:

- Appendix B – Surgical DRGs
  - Appendix C – Surgical MS-DRGs
  - Appendix D – Medical DRGs
  - Appendix E – Medical MS-DRGs
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Exclude cases:

- with principal diagnosis denoting accidental cut, puncture, perforation, or laceration or secondary diagnosis present on admission\*
- normal newborn
- neonate with birth weight less than 500 grams (Birth Weight Category 1)
- MDC 14 (pregnancy, childbirth, and puerperium)
- with ICD-9-CM code for spine surgery
- with missing discharge gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

\* Only for cases that otherwise qualify for the numerator

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of, Neonate, Newborn, Normal Newborn, and Outborn
- Appendix L – Low Birth Weight Categories

**ICD-9-CM Spine surgery procedure codes<sup>1</sup>:**

0301	REMOVAL FB SPINAL CANAL	8163	FUS/REFUS 4-8 VERTEBRAE*
0302	REOPEN LAMINECTOMY SITE	8164	FUS/REFUS 9 VERTEBRAE*
0309	SPINAL CANAL EXPLOR NEC	8165	PERCUTAN VERTEBROPLASTY
0353	VERTEBRAL FX REPAIR	8166	PERCUT VERTEBRAL AUGMENT
036	SPINAL CORD ADHESIOLYSIS	8451	INS SPINAL FUSION DEVICE*
8053	REP ANULUS FIBROSUS-GRFT	8452	INSERT RECOMBINANT BMP*
8054	REP ANULUS FIBROS NEC/NOS	<i>8458</i>	<i>IMPLANTATION OF INTERSPINOUS PROCESS DECOMPRESSION DEVICE</i>
8100	SPINAL FUSION NOS		
8101	ATLAS-AXIS FUSION	8459	INSERT OTHR SPIN DEVICE
8102	OTH CERV FUSION ANT/ANT	8460	INSERT DISC PROS NOS
8103	OT CERV FUSION POST/POST	8461	INS PART DISC PROS CERV
8104	DRSL/DRSLUMB FUS ANT/ANT	8462	INS TOT DISC PROST CERV
8105	DRSL/DSLMB FUS POST/POST	8463	INS SPIN DISC PROS THOR
8106	LUMB/LMBOSAC FUS ANT/ANT	8464	INS PART DISC PROS LUMB
8107	LMB/LMBSAC FUS POST/POST	8465	INS TOTL DISC PROS LUMB
8108	LUMB/LMBSAC FUS ANT/POST	8466	REVISE DISC PROST CERV
8130	SPINAL REFUSION NOS	8467	REVISE DISC PROST THORA
8131	REFUSION OF ATLAS-AXIS	8468	REVISE DISC PROSTH LUMB
8132	REFUS OTH CERVCL ANT/ANT	8469	REVISE DISC PROSTH NOS
8133	REFUS OTH CERV POST/POST	8480	INS/REPL INTERSPINE DEV
8134	REFUS DRS/DRSLMB ANT/ANT	8481	REV INTERSPINE DEVICE
8135	REFUS DRS/DRSLMB PST/PST	8482	INS/REPL PDCL STABIL DEV
8136	REFUS LMB/LMBSAC ANT/ANT	8483	REV PEDCL DYN STABIL DEV
8137	REFUS LMB/LMBSAC PST/PST	8485	REV FACET REPLACE DEVICE
8138	REFUS LMB/LMBSAC ANT/POST		
8139	REFUSION OF SPINE NEC		
8162	FUS/REFUS 2-3 VERTEBRAE*		

\* code has *code also* instructions

<sup>1</sup> Italicized codes are not active in the current fiscal year.

## Stratification

Clinical categories for PDI 1 are based on Major Diagnostic Categories (MDC).

Stratum 1. Eye, ear, nose, mouth, throat, skin, breast, and other low-risk procedures  
(MDC 2, 3, 9, 19, 22, 23)

Stratum 2. Thoracic, cardiovascular, and specified neoplastic procedures  
(MDC 4, 5, 17)

Stratum 3. Kidney, and male/female reproductive procedures  
(MDC 11, 12, 13)

Stratum 4. Infectious, immunological, hematological, and ungroupable procedures  
(MDC 0/99, 16, 18, 25)

Stratum 5. Trauma, orthopedic, and neurologic procedures  
(MDC 1, 8, 21, 24)

Stratum 6. Gastrointestinal, hepatobiliary, and endocrine procedures  
(MDC 6, 7, 10)