Birth Trauma – Injury to Neonate

Patient Safety Indicators #17
Technical Specifications
Provider-Level Indicator
AHRQ Quality Indicators, Version 4.3, August 2011
(Revised September 7, 2011)

NOTE: This indicator is calculated by the PDI SAS module because it is based on pediatric discharges.

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^{TM} APR-DRG Grouper. This grouper corrects an issue found in Version 28 of the Limited License edition of the 3M^{TM} 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^{TM} 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

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for birth trauma in any diagnosis field.

ICD-9-CM Birth trauma diagnosis codes:

7670	SUBDURAL AND CEREBRAL HEMORRHAGE (DUE TO TRAUMA OR TO INTRAPARTUM ANOXIA OR HYPOXIA)	7674	INJURY TO SPINE AND SPINAL CORD
		7675	FACIAL NERVE INJ-BIRTH
76711	EPICRANIAL SUBAPONEUROTIC HEMORRHAGE (MASSIVE) (OCT03)	7677	OTHER CRANIAL AND PERIPHERAL NERVE INJURIES
7673	INJURIES TO SKELETON (EXCLUDES CLAVICLE)	7678	OTHER SPECIFIED BIRTH TRAUMA

Denominator

All newborns

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of Neonate, Newborn, Normal Newborn, and Outborn

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Exclude:

- preterm infants with a birth weight less than 2,000 grams

- infants with any diagnosis code of injury to brachial plexus
- infants with any diagnosis code of osteogenesis imperfecta
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

ICD-9-CM Preterm infant with birth weight less than 2000 grams diagnosis codes:

76500	EXTREME IMMATURITY WTNOS	76511	OTHER PRETERM INFANTS, LESS THAN 500 GRAMS
76501	EXTREME IMMATURITY, LESS THAN 500 GRAMS	76512	OTHER PRETERM INFANTS, 500 – 749 GRAMS
76502	EXTREME IMMATURITY, 500 – 749 GRAMS	76513	OTHER PRETERM INFANTS, 750 – 999 GRAMS
76503	EXTREME IMMATURITY, 750 – 999 GRAMS	76514	OTHER PRETERM INFANTS, 1000 – 1249 GRAMS
76504	EXTREME IMMATURITY, 1000 – 1249 GRAMS	76515	OTHER PRETERM INFANTS, 1250 – 1499 GRAMS
76505	EXTREME IMMATURITY, 1250 – 1499 GRAMS	76516	OTHER PRETERM INFANTS, 1500 – 1749 GRAMS
76506	EXTREME IMMATURITY, 1500 – 1749 GRAMS	76517	OTHER PRETERM INFANTS, 1750 – 1999 GRAMS
76507	EXTREME IMMATURITY, 1750 – 1999 GRAMS		

ICD-9-CM Injury to brachial plexus diagnosis code:
7676   BRACH PLEXUS INJ-BIRTH

ICD-9-CM Osteogenesis imperfecta diagnosis code:
75651   OSTEOGENESIS IMPERFECTA