

Birth Trauma Rate – Injury to Neonate

Patient Safety Indicators #17

Technical Specifications

Provider-Level Indicator

AHRQ Quality Indicators, Version 4.4, March 2012

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

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	CEREBRAL HEM AT BIRTH	7675	FACIAL NERVE INJ-BIRTH
76711	EPICRANIAL SUBAPO HEMORR	7677	NERVE INJ NEC AT BIRTH
7673	BONE INJURY NEC AT BIRTH	7678	BIRTH TRAUMA NEC
7674	SPINAL CORD INJ AT BIRTH		

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
- cases 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 2,000 grams diagnosis codes:

76500	EXTREME IMMATUREITY WTNOS	76511	PRETERM INFANT <500G
76501	EXTREME IMMATUR <500G	76512	PRETERM NEC 500-749G
76502	EXTREME IMMATU 500 – 749G	76513	PRETERM NEC 750-999G
76503	EXTREME IMMATUR 750 – 999G	76514	PRETERM NEC 1000-1249G
76504	EXTREME IMMAT 1000 – 1249G	76515	PRETERM NEC 1250-1499G
76505	EXTREME IMMAT 1250 – 1499G	76516	PRETERM NEC 1500-1749G
76506	EXTREME IMMAT 1500 – 1749G	76517	PRETERM NEC 1750-1999G
76507	EXTREME IMMAT 1750 – 1999G		

ICD-9-CM Injury to brachial plexus diagnosis code:

7676	BRACH PLEXUS INJ-BIRTH
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ICD-9-CM Osteogenesis imperfecta diagnosis code:
75651 OSTEogenesis IMPERfecta