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
7671  EPICRANIAL SUBAPO HEMORR
7673  BONE INJURY NEC AT BIRTH
7674  SPINAL CORD INJ AT BIRTH

Denominator

All newborns:

See Pediatric Quality Indicators Appendices:
• Appendix I – Definitions of Neonate, Newborn, Normal Newborn, and Outborn

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 IMMATURENY WTNOS
76501  EXTREME IMMATURE <500G
76502  EXTREME IMMATURE 500 – 749G
76503  EXTREME IMMATURE 750 – 999G
76504  EXTREME IMMATURE 1000 – 1249G
76505  EXTREME IMMATURE 1250 – 1499G
76506  EXTREME IMMATURE 1500 – 1749G
76507  EXTREME IMMATURE 1750 – 1999G

ICD-9-CM Injury to brachial plexus diagnosis code:
7676  BRACH PLEXUS INJ-BIRTH
ICD-9-CM Osteogenesis imperfecta diagnosis code:
75651 OSTEOGENESIS IMPERFECTA