AHRQ QUALITY INDICATORS

Neonatal Quality Indicators

Technical Specifications

PSI #17 (NQI #4) Birth Trauma—Injury to Neonate

Provider-Level Indicator

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

Exclude infants:

- with a any diagnosis code of pre-term infant denoting birth weight of less than 2,000 grams.
- with injury to brachial plexus
- with diagnosis of osteogenesis imperfecta

ICD-9-CM Preterm Infant diagnosis codes:

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

Denominator

All liveborn births (newborns)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definition of Newborn, Neonate, and Outborn