



Patient Safety Indicators 17 (PSI 17) Birth Trauma Rate – Injury to Neonate

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Provider-Level Indicator

Type of Score: Rate

Prepared by:

Agency for Healthcare Research and Quality

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www.qualityindicators.ahrq.gov

DESCRIPTION

Birth trauma injuries per 1,000 newborns. Excludes preterm infants with a birth weight less than 2,000 grams, and cases with osteogenesis imperfecta.

[NOTE: The software provides the rate per newborn. However, common practice reports the measure as per 1,000 newborns. The user must multiply the rate obtained from the software by 1,000 to report events per 1,000 newborns.]

[NOTE: This indicator can be calculated in SAS QI Software Version 6.0 using either the PDI Module or the PSI 17 Standalone Module.]

NUMERATOR

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

DENOMINATOR

All newborns.

[Appendix M - Definitions of Neonate, Newborn, Normal Newborn, and Outborn](#)

DENOMINATOR EXCLUSIONS

Exclude cases:

- with any-listed ICD-9-CM diagnosis codes for preterm infant with a birth weight less than 2,000 grams
- with any-listed ICD-9-CM diagnosis codes for osteogenesis imperfecta
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)