Neonatal Mortality Rate
Technical Specifications

Neonatal Quality Indicators #2 (NQI #2)
AHRQ Quality Indicators™, Version 4.5, May 2013
Provider-Level Indicator
Type of Score: Rate

Description

In-hospital deaths per 1,000 neonates. Excludes newborns weighing less than 500 grams; cases with anencephaly, polysystic kidney, trisomy 13 or trisomy 18; and transfers to another hospital.

[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report in-hospital deaths per 1,000 hospital discharges.]

Numerator

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

Denominator

All newborn and outborn discharges.

Exclude cases:
- with any-listed ICD-9-CM diagnosis codes for anencephaly, polycystic kidney, trisomy 13, or trisomy 18
- with birth weight less than 500 grams (Birth Weight Category 1)
- transferring to another short-term hospital (DISP=2)
- with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)

See Pediatric Quality Indicators Appendices:
- Appendix I – Definitions of Neonate, Newborn, Normal Newborn, and Outborn
- Appendix L – Low Birth Weight Categories

ICD-9-CM Anencephaly, polycystic kidney, trisomy 13, and trisomy 18 diagnosis codes:

- 7400 ANENCEPHALUS
- 7401 CRANIORACHISCHISIS
- 7402 INIENCEPHALY
- 75313 POLYCYST KID-AUTOSOM DOM
7581  PATAU'S SYNDROME

7582  EDWARDS' SYNDROME