



Prevention Quality Indicator 09 (PQI 09)

Low Birth Weight Rate

July 2017

Area-Level Indicator

Type of Score: Rate

Prepared by:

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

www.qualityindicators.ahrq.gov

DESCRIPTION

Low birth weight (< 2,500 grams) infants per 1,000 newborns. Excludes transfers from other institutions.

[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 admissions per 1,000 newborns.]

NUMERATOR

Number of newborns, among cases meeting the inclusion and exclusion rules for the denominator, with any-listed ICD-10-CM diagnosis codes for birth weight less than 2,500 grams (*ACSLBWD**).

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

NUMERATOR EXCLUSIONS

Exclude cases:

- transfer from a hospital (different facility) (*Appendix A*)
- transfer from a Skilled Nursing Facility (SNF) or Intermediate Care Facility (ICF) (*Appendix A*)
- transfer from another health care facility (*Appendix A*)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), principal diagnosis (DX1=missing), or county (PSTCO=missing)

[*Appendix A - Admission Codes for Transfers*](#)

DENOMINATOR

Number of newborns in metropolitan area† or county. Newborns in the numerator are assigned to the denominator based on the metropolitan area or county of the patient residence, not the metropolitan area or county of the hospital where the discharge occurred.

† The term “metropolitan area” (MA) was adopted by the U.S. Census in 1990 and referred collectively to metropolitan statistical areas (MSAs), consolidated metropolitan statistical areas (CMSAs) and primary metropolitan statistical areas (PMSAs). In addition, “area” could refer to either 1) FIPS county, 2) modified FIPS county, 3) 1999 OMB Metropolitan Statistical Area or 4) 2003 OMB Metropolitan Statistical Area. Micropolitan Statistical Areas are not used in the QI software.

*See below for code list

Birth weight less than 2,500 grams diagnosis codes: (ACSLBWD)

P0501	Newborn light for gestational age, less than 500 grams	P0516	Newborn small for gestational age, 1500-1749 grams
P0502	Newborn light for gestational age, 500-749 grams	P0517	Newborn small for gestational age, 1750-1999 grams
P0503	Newborn light for gestational age, 750-999 grams	P0518	Newborn small for gestational age, 2000-2499 grams
P0504	Newborn light for gestational age, 1000-1249 grams	P0700	Extremely low birth weight newborn, unspecified weight
P0505	Newborn light for gestational age, 1250-1499 grams	P0701	Extremely low birth weight newborn, less than 500 grams
P0506	Newborn light for gestational age, 1500-1749 grams	P0702	Extremely low birth weight newborn, 500-749 grams
P0507	Newborn light for gestational age, 1750-1999 grams	P0703	Extremely low birth weight newborn, 750-999 grams
P0508	Newborn light for gestational age, 2000-2499 grams	P0710	Other low birth weight newborn, unspecified weight
P0511	Newborn small for gestational age, less than 500 grams	P0714	Other low birth weight newborn, 1000-1249 grams
P0512	Newborn small for gestational age, 500-749 grams	P0715	Other low birth weight newborn, 1250-1499 grams
P0513	Newborn small for gestational age, 750-999 grams	P0716	Other low birth weight newborn, 1500-1749 grams
P0514	Newborn small for gestational age, 1000-1249 grams	P0717	Other low birth weight newborn, 1750-1999 grams
P0515	Newborn small for gestational age, 1250-1499 grams	P0718	Other low birth weight newborn, 2000-2499 grams