

Low Birth Weight Rate

Prevention Quality Indicators #9

Technical Specifications

Area-Level Indicator

AHRQ Quality Indicators, Version 4.3, August 2011

NOTE: This indicator is calculated by the PDI SAS module because it is based on pediatric discharges.

Version 4.3a is a maintenance release of Version 4.3. The differences between the two versions are:

- Version 4.3a includes Version 29 of the Limited License edition of the 3M™ APR-DRG Grouper. This grouper corrects an issue found in Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper. The grouper is only used with the Inpatient Quality Indicator (IQI) mortality measures. Version 4.3 includes Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper, which was incorrectly assigning a Risk of Mortality (ROM) subclass for cases dated on or after 10/1/10.
- Version 4.3a allows users to calculate area-level indicators for years 2010 and 2011, correcting an issue previously identified in Version 4.3.

All other aspects of the software, including measure specifications, remain the same. Thus this document (related to Version 4.3) remains unchanged.

Numerator

Number of births with ICD-9-CM diagnosis code for less than 2500 grams in any field among cases meeting the inclusion and exclusion rules for the denominator.

ICD-9-CM Low Birth Weight diagnosis codes:

76400	LIGHT-FOR-DATES WTNOS	76422	FETAL MALNUTR 500-749G
76401	LIGHT-FOR-DATES <500G	76423	FETAL MAL 750-999G
76402	LT-FOR-DATES 500-749G	76424	FETAL MAL 1000-1249G
76403	LT-FOR-DATES 750-999G	76425	FETAL MAL 1250-1499G
76404	LT-FOR-DATES 1000-1249G	76426	FETAL MAL 1500-1749G
76405	LT-FOR-DATES 1250-1499G	76427	FETAL MALNUTR 1750-1999G
76406	LT-FOR-DATES 1500-1749G	76428	FETAL MALNUTR 2000-2499G
76407	LT-FOR-DATES 1750-1999G	76490	FET GROWTH RETARD WTNOS
76408	LT-FOR-DATES 2000-2499G	76491	FET GROWTH RETARD <500G
76410	LT-FOR-DATE W/MAL WTNOS	76492	FET GROWTH RET 500-749G
76411	LT-FOR-DATE W/MAL <500G	76493	FET GROWTH RET 750-999G
76412	LT-DATE W/MAL 500-749G	76494	FET GRWTH RET 1000-1249G
76413	LT-DATE W/MAL 750-999G	76495	FET GRWTH RET 1250-1499G
76414	LT-DATE W/MAL 1000-1249G	76496	FET GRWTH RET 1500-1749G
76415	LT-DATE W/MAL 1250-1499G	76497	FET GRWTH RET 1750-1999G
76416	LT-DATE W/MAL 1500-1749G	76498	FET GRWTH RET 2000-2499G
76417	LT-DATE W/MAL 1750-1999G	76500	EXTREME IMMATUR WTNOS
76418	LT-DATE W/MAL 2000-2499G	76501	EXTREME IMMATUR <500G
76420	FETAL MALNUTRITION WTNOS	76502	EXTREME IMMATUR 500-749G
76421	FETAL MALNUTRITION <500G	76503	EXTREME IMMATUR 750-999G

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76504	EXTREME IMMAT 1000-1249G	76512	PRETERM NEC 500-749G
76505	EXTREME IMMAT 1250-1499G	76513	PRETERM NEC 750-999G
76506	EXTREME IMMAT 1500-1749G	76514	PRETERM NEC 1000-1249G
76507	EXTREME IMMAT 1750-1999G	76515	PRETERM NEC 1250-1499G
76508	EXTREME IMMAT 2000-2499G	76516	PRETERM NEC 1500-1749G
76510	PRETERM INFANT NEC WTNOS	76517	PRETERM NEC 1750-1999G
76511	PRETERM NEC <500G	76518	PRETERM NEC 2000-2499G

Exclude cases:

- transfer from another institution
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing), county (PSTCO=missing)

See *Pediatric Quality Indicators Appendices*:

- Appendix J – Admission Codes for Transfers

Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area¹ or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of Neonate, Newborn, Normal Newborn, and Outborn

¹ 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 3) 2003 OMB Metropolitan Statistical Area. Micropolitan Statistical Areas are not used in the QI software.