

Laminectomy or Spinal Fusion Rate

Inpatient Quality Indicators #29

Technical Specifications

Area-Level Indicator

Procedure Utilization Indicator

AHRQ Quality Indicators, Version 4.3, August 2011

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

Discharges age 18 years and older with a laminectomy or spinal fusion procedure.

ICD-9-CM Laminectomy or Spinal Fusion procedure codes:

| | | | |
|------|--------------------------|------|----------------------------------|
| 0302 | REOPEN LAMINECTOMY SITE | 8130 | SPINAL REFUSION NOS (OCT01) |
| 0309 | SPINAL CANAL EXPLOR NEC | 8131 | REFUSION OF ATLAS-AXIS (OCT01) |
| 8050 | EXC/DEST INTVRT DISC NOS | 8132 | REFUSION OF OTH CERV ANT (OCT01) |
| 8051 | EXCISION INTERVERT DISC | 8133 | REFUS OF OTH CERV POST (OCT01) |
| 8059 | OTH EXC/DEST INTVRT DISC | 8134 | REFUSION OF DORSAL ANT (OCT01) |
| 8100 | SPINAL FUSION NOS | 8135 | REFUSION OF DORSAL POST (OCT01) |
| 8101 | ATLAS-AXIS FUSION | 8136 | REFUSION OF LUMBAR ANT (OCT01) |
| 8102 | OTH CERV FUSION, ANTER | 8137 | REFUSION OF LUMBAR LAT (OCT01) |
| 8103 | OTH CERV FUSION, POSTER | 8138 | REFUSION OF LUMBAR POST (OCT01) |
| 8104 | DORSAL FUSION, ANTERIOR | 8139 | REFUSION OF SPINE NEC (OCT01) |
| 8105 | DORSAL FUSION, POSTERIOR | 8161 | 360 SPINAL FUSION (OCT02) |
| 8106 | LUMBAR FUSION, ANTERIOR | 8162 | FUS/REFUS 2-3 VERTEBRAE (OCT03) |
| 8107 | LUMBAR FUSION, LATERAL | 8163 | FUS/REFUS 4-8 VERTEBRAE (OCT03) |
| 8108 | LUMBAR FUSION, POSTERIOR | 8164 | FUS/REFUS 9 VERTEBRAE (OCT03) |
| 8109 | REFUSION OF SPINE | 8451 | INS SPINAL FUSION DEVICE (OCT03) |

Exclude cases:

- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

Denominator

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

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 4) 2003 OMB Metropolitan Statistical Area. Micropolitan Statistical Areas are not used in the QI software.