

Laminectomy or Spinal Fusion Rate

Technical Specifications

Inpatient Quality Indicators #29 (IQI #29)

AHRQ Quality Indicators™, Version 4.5, May 2013

Area-Level Indicator

Type of Score: Rate

Description

Laminectomies or spinal fusion discharges per 100,000 population, ages 18 years and older. Excludes obstetric discharges.

[NOTE: The software provides the rate per population. However, common practice reports the measure as per 100,000 population. The user must multiply the rate obtained from the software by 100,000 to report discharges per 100,000 population.]

Numerator

Discharges, for patients ages 18 years and older, with any-listed ICD-9-CM procedure codes for laminectomy or spinal fusion.

ICD-9-CM Laminectomy or spinal fusion procedure codes¹:

0302	REOPEN LAMINECTOMY SITE	8130	SPINAL REFUSION NOS
0309	SPINAL CANAL EXPLOR NEC	8131	REFUSION OF ATLAS-AXIS
8050	EXC/DEST INTVRT DISC NOS	8132	REFUS OTH CERVCL ANT/ANT
8051	EXCISION INTERVERT DISC	8133	REFUS OTH CERV POST/POST
8059	OTH EXC/DEST INTVRT DISC	8134	REFUS DRS/DRSLMB ANT/ANT
8100	SPINAL FUSION NOS	8135	REFUS DRS/DRSLMB PST/PST
8101	ATLAS-AXIS FUSION	8136	REFUS LMB/LMBSAC ANT/ANT
8102	OTH CERV FUSION ANT/ANT	8137	REFUS LMB/LMBSAC PST/PST
8103	OT CERV FUSION POST/POST	8138	REFUS LMB/LMBSAC ANT/POST
8104	DRSL/DRSLUMB FUS ANT/ANT	8139	REFUSION OF SPINE NEC
8105	DRSL/DSLMB FUS POST/POST	<i>8161</i>	<i>360 SPINAL FUSION</i>
8106	LUMB/LMBOSAC FUS ANT/ANT	8162	FUS/REFUS 2-3 VERTEBRAE
8107	LMB/LMBSAC FUS POST/POST	8163	FUS/REFUS 4-8 VERTEBRAE
8108	LUMB/LMBSAC FUS ANT/POST	8164	FUS/REFUS 9 VERTEBRAE
<i>8109</i>	<i>REFUSION OF SPINE</i>	8451	INS SPINAL FUSION DEVICE

¹The procedure or diagnosis codes are continuously updated. The current list of ICD-9-CM codes is valid for October 2012 through September 2013. Italicized codes are not active in Fiscal Year 2013.

Exclude cases:

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

Denominator

Population ages 18 years and older in metropolitan area[†] or county. Discharges 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.