

Prevention Quality Indicator 16 (PQI 16) Lower-Extremity Amoutation Among Patients with Diabetes Rate

October 2016 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

Admissions for any-listed diagnosis of diabetes and any-listed procedure of lower-extremity amputation (except toe amputations) per 100,000 population, ages 18 years and older. Excludes any-listed diagnosis of traumatic lower-extremity amputation admissions, obstetric admissions, and transfers from other institutions.

[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 admissions per 100,000 population.]

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NUMERATOR

Discharges, for patients ages 18 years and older, with any-listed ICD-09-CM procedure codes for lower-extremity amputation and any-listed ICD-09-CM diagnosis codes for diabetes.

Lower-extremity amputation procedure codes: (ACSLEAP)

8410 8412	LOWER LIMB AMPUTAT NOS AMPUTATION THROUGH FOOT	8416 8417	DISARTICULATION OF KNEE ABOVE KNEE AMPUTATION				
8413	DISARTICULATION OF ANKLE	8418	DISARTICULATION OF HIP				
8414	AMPUTAT THROUGH MALLEOLI	8419	HINDQUARTER AMPUTATION				
8415	BELOW KNEE AMPUTAT NEC						
Diabetes diagnosis codes: (ACSLEAD)							
25000	DMII WO CMP NT ST UNCNTR	25050	DMII OPHTH NT ST UNCNTRL				
25001	DMI WO CMP NT ST UNCNTRL	25051	DMI OPHTH NT ST UNCNTRLD				
25002	DMII WO CMP UNCNTRLD	25052	DMII OPHTH UNCNTRLD				
25003	DMI WO CMP UNCNTRLD	25053	DMI OPHTH UNCNTRLD				
25010	DMII KETO NT ST UNCNTRLD	25060	DMII NEURO NT ST UNCNTRL				
25011 25012	DMI KETO NT ST UNCNTRLD DMII KETOACD UNCONTROLD	25061 25062	DMI NEURO NT ST UNCNTRLD DMII NEURO UNCNTRLD				
23012	DIMI RETOTICE CIVEOTTROED	23002	DIMITIEURO CITCIVIRED				
25013	DMI KETOACD UNCONTROLD	25063	DMI NEURO UNCNTRLD				
25020	DMII HPRSM NT ST UNCNTRL	25070	DMII CIRC NT ST UNCNTRLD				
25021	DMI HPRSM NT ST UNCNTRLD	25071	DMI CIRC NT ST UNCNTRLD				
25022	DMII HPROSMLR UNCONTROLD	25072	DMII CIRC UNCNTRLD				
25023	DMI HPROSMLR UNCONTROLD	25073	DMI CIRC UNCNTRLD				
25030	DMII O CM NT ST UNCNTRLD	25080	DMII OTH NT ST UNCNTRLD				
25031	DMI O CM NT ST UNCNTRLD	25081	DMI OTH NT ST UNCNTRLD				
25031	DMII OTH COMA	25081	DMII OTH UNCNTRLD				
23032	UNCONTROLD	23002	Dim Offi Official RED				
25033	DMI OTH COMA UNCONTROLD	25083	DMI OTH UNCNTRLD				

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25040	DMII RENL NT ST UNCNTRLD	25090	DMII UNSPF NT ST UNCNTRL
25041	DMI RENL NT ST UNCNTRLD	25091	DMI UNSPF NT ST UNCNTRLD
25042	DMII RENAL UNCNTRLD	25092	DMII UNSPF UNCNTRLD
25043	DMI RENAL UNCNTRLD	25093	DMI UNSPF UNCNTRLD

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NUMERATOR EXCLUSIONS

Exclude cases:

- with any-listed ICD-09-CM diagnosis codes for traumatic amputation of the lower extremity
- transfer from a hospital (different facility)
- transfer from a Skilled Nursing Facility (SNF) or Intermediate Care Facility (ICF)
- transfer from another health care facility
- MDC 14 (pregnancy, childbirth, and puerperium)
- 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

Traumatic amputation of the lower extremity diagnosis codes: (ACLEA2D)

8950	AMPUTATION TOE AMPUTATION TOE-COMPLICAT	8971	AMPUTAT BK, UNILAT-COMPL
8951		8972	AMPUT ABOVE KNEE, UNILAT
8960	AMPUTATION FOOT, UNILAT AMPUT FOOT, UNILAT-COMPL	8973	AMPUT ABV KN, UNIL-COMPL
8961		8974	AMPUTAT LEG, UNILAT NOS
8962	AMPUTATION FOOT, BILAT	8975	AMPUT LEG, UNIL NOS-COMP
8963 8970	AMPUTAT FOOT, BILAT-COMP AMPUT BELOW KNEE, UNILAT	8976 8977	AMPUTATION LEG, BILAT AMPUTAT LEG, BILAT-COMPL

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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.

‡ The denominator can be specified with the diabetic population only and calculated with the SAS QI software through the condition-specific denominator at the state-level feature.

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