PQI #16  Rate of Lower-extremity Amputation among Patients with Diabetes

**Numerator**

All discharges of age 18 years and older with ICD-9-CM procedure code for lower-extremity amputation and diagnosis code of diabetes in any field.

**ICD-9-CM Lower-extremity Amputation procedure codes:**

- 8410  LOWER LIMB AMPUTAT NOS
- 8411  TOE AMPUTATION
- 8412  AMPUTATION THROUGH FOOT
- 8413  DISARTICULATION OF ANKLE
- 8414  AMPUTAT THROUGH MALLEOLI
- 8415  BELOW KNEE AMPUTAT NEC
- 8416  DISARTICULATION OF KNEE
- 8417  ABOVE KNEE AMPUTATION
- 8418  DISARTICULATION OF HIP
- 8419  HINDQUARTER AMPUTATION

**ICD-9-CM Diabetes diagnosis codes:**

- 25000  DMI WO CMP NT ST UNCNTR
- 25001  DMI WO CMP NT ST UNCNTRLD
- 25002  DMI WO CMP UNCNTRLD
- 25003  DMI WO CMP UNCNTRL
- 25010  DMI KETO NT ST UNCNTRLD
- 25011  DMI KETO NT ST UNCNTRLD
- 25012  DMI KETOACD UNCONTROLD
- 25013  DMI KETOACD UNCONTROLD
- 25020  DMI HPRSM NT ST UNCNTRLD
- 25021  DMI HPRSM NT ST UNCNTRLD
- 25022  DMI HPROSLR UNCONTROLD
- 25023  DMI HPROSLR UNCONTROLD
- 25030  DMI O CM NT ST UNCNTRLD
- 25031  DMI O CM NT ST UNCNTRLD
- 25032  DMI OTH COMA UNCONTROLD
- 25033  DMI OTH COMA UNCONTROLD
- 25040  DMI RENL NT ST UNCNTRL
- 25041  DMI RENL NT ST UNCNTRL
- 25042  DMI RENAL UNCNTRLD
- 25043  DMI RENAL UNCNTRLD

See Prevention Quality Indicators Appendices:

- Appendix A – Admission Codes for Transfers

Exclude cases:

- 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 any diagnosis of trauma

**ICD-9-CM Trauma diagnosis codes:**

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<th>Code</th>
<th>Description</th>
<th>Code</th>
<th>Description</th>
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<tr>
<td>8950</td>
<td>AMPUTATION TOE</td>
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<td>AMPUTAT BK, UNILAT-COMPL</td>
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</tr>
</tbody>
</table>

**Denominator**

Population in Metro Area\(^1\) or county, age 18 years and older.

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\(^1\) 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.