Urinary Tract Infection Admission Rate

Prevention Quality Indicators #12
Technical Specifications
Area-Level Indicator
AHRQ Quality Indicators, Version 4.4, March 2012

Numerator

All discharges of age 18 years and older with ICD-9-CM principal diagnosis code of urinary tract infection.

ICD-9-CM Urinary tract infection diagnosis codes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>59010</td>
<td>AC PYELONEPHRITIS NOS</td>
</tr>
<tr>
<td>59011</td>
<td>AC PYELONEPHR W MED NECR</td>
</tr>
<tr>
<td>5902</td>
<td>RENAL/PERIRENAL ABSCESS</td>
</tr>
<tr>
<td>5903</td>
<td>PYELOURETERITIS CYSTICA</td>
</tr>
<tr>
<td>59080</td>
<td>PYELONEPHRITIS NOS</td>
</tr>
</tbody>
</table>

- The PQI reference population includes discharges with MDC 14 and age less than 18 years; however, the DRG and MS-DRG grouper logic precludes assignment of MDC 14 for discharge records with a PQI defining principal diagnosis.

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
- with any diagnosis of kidney/urinary tract disorder
- with any diagnosis or procedure code for immunocompromised state
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), principal diagnosis (DX1=missing), or county (PSTCO=missing)

See Prevention Quality Indicators Appendices:
- Appendix A – Admission Codes for Transfers
- Appendix C – Immunocompromised State
Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area\(^1\) or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

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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.