Patient Safety Indicator 16 (PSI 16) Transfusion Reaction Count

July 2016
Provider-Level Indicator
Type of Score: Count

Prepared by:
Agency for Healthcare Research and Quality
U.S. Department of Health and Human Services

www.qualityindicators.ahrq.gov

DESCRIPTION
The number of medical and surgical discharges with a secondary diagnosis of transfusion reaction for patients ages 18 years and older or obstetric patients. Excludes cases with a principal diagnosis of transfusion reaction or cases with a secondary diagnosis of transfusion reaction that is present on admission.
NUMERATOR

Surgical and medical discharges, for patients ages 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium), with any secondary ICD-10-CM diagnosis codes for transfusion reaction. Surgical and medical discharges are defined by specific MS-DRG codes.

Appendix C - Medical Discharge MS-DRGs

Appendix E - Surgical Discharge MS-DRGs

Transfusion reaction diagnosis codes: (TRANFID)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8030XA</td>
<td>ABO incompatibility reaction due to transfusion of blood or blood products, unspecified, initial encounter</td>
<td>T8040XA</td>
<td>Rh incompatibility reaction due to transfusion of blood or blood products, unspecified, initial encounter</td>
</tr>
<tr>
<td>T80310A</td>
<td>ABO incompatibility with acute hemolytic transfusion reaction, initial encounter</td>
<td>T80410A</td>
<td>Rh incompatibility with acute hemolytic transfusion reaction, initial encounter</td>
</tr>
<tr>
<td>T80311A</td>
<td>ABO incompatibility with delayed hemolytic transfusion reaction, initial encounter</td>
<td>T80411A</td>
<td>Rh incompatibility with delayed hemolytic transfusion reaction, initial encounter</td>
</tr>
<tr>
<td>T80319A</td>
<td>ABO incompatibility with hemolytic transfusion reaction, unspecified, initial encounter</td>
<td>T80419A</td>
<td>Rh incompatibility with hemolytic transfusion reaction, unspecified, initial encounter</td>
</tr>
<tr>
<td>T8039XA</td>
<td>Other ABO incompatibility reaction due to transfusion of blood or blood products, initial encounter</td>
<td>T8049XA</td>
<td>Other Rh incompatibility reaction due to transfusion of blood or blood products, initial encounter</td>
</tr>
</tbody>
</table>
NUMERATOR EXCLUSIONS
Exclude cases:
• with a principal ICD-10-CM diagnosis code (or secondary diagnosis present on admission) for transfusion reaction (see above)
• with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)