

# Central Venous Catheter-Related Blood Stream Infection Rate

## Patient Safety Indicators #7 Technical Specifications Provider-Level Indicator AHRQ Quality Indicators, Version 4.4, March 2012

### Numerator

Discharges with selected infections defined by specific ICD-9-CM codes and secondary diagnosis field among cases meeting the inclusion and exclusion rules for the denominator. For discharges prior to October 1, 2007:

**ICD-9-CM Hospital-associated infection diagnosis codes<sup>1</sup>:**

99662 REACT-OTH VASC DEV/GRAFT 9993 OTHER INFECTION

<sup>1</sup> Italicized codes are not active in the current fiscal year.

For discharges on or after October 1, 2007 but before October 1, 2011:

**ICD-9-CM Central venous catheter-related blood stream infection diagnosis code:**

99931 OTH/UNS INF-CEN VEN CATH

For discharges on or after October 1, 2011:

**ICD-9-CM Central venous catheter-related blood stream infection diagnosis code<sup>1</sup>:**

99931 OTH/UNS INF-CEN VEN CATH 99932 BLOOD INF DT CEN VEN CTH

<sup>1</sup> Bolded codes are new to the current fiscal year.

### Denominator

All surgical and medical discharges, 18 years and older **or** MDC 14 (pregnancy, childbirth, and puerperium), defined by specific DRGs or MS-DRGs.

See *Patient Safety Indicators Appendices*:

- Appendix B – Medical Discharge DRGs
  - Appendix C – Medical Discharge MS-DRGs
  - Appendix D – Surgical Discharge DRGs
  - Appendix E – Surgical Discharge MS-DRGs
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Exclude cases:

- with principal diagnosis of selected infections (as defined by the numerator) or secondary diagnosis present on admission\*
- with length of stay less than 2 days
- with any diagnosis or procedure code for immunocompromised state
- with any diagnosis of cancer
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

\* Only for cases that otherwise qualify for the numerator

See *Patient Safety Indicators Appendices*:

- Appendix H – Cancer Diagnosis Codes
- Appendix I – Immunocompromised State Diagnosis and Procedure Codes