

Central Venous Catheter-Related Blood Stream Infection Rate

Patient Safety Indicators #23 Technical Specifications

Area-Level Indicator

AHRQ Quality Indicators, Version 4.4, March 2012

Numerator

Discharges, 18 years and older **or** MDC 14 (pregnancy, childbirth, and puerperium), with selected infections defined by specific ICD-9-CM codes in any diagnosis field among all medical and surgical discharges defined by specific DRGs or MS-DRGs.

For discharges prior to October 1, 2007:

ICD-9-CM Hospital-associated infection diagnosis codes¹:

99662 REACT-OTH VASC DEV/GRAFT 9993 OTHER INFECTION

¹ 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 code¹:

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

¹ Bolded codes are new to the current fiscal year.

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

Exclude cases:

- 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), county (PSTCO=missing)

See *Patient Safety Indicators Appendices*:

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

Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area¹ or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

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.