

Postoperative Sepsis Rate

Patient Safety Indicators #13

Technical Specifications

Provider-Level Indicator

AHRQ Quality Indicators, Version 4.4, March 2012

Numerator

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM code for sepsis in any secondary diagnosis field.

ICD-9-CM Sepsis diagnosis codes^{1,2}:

0380	STREPTOCOCCAL SEPTICEMIA
<i>0381</i>	<i>STAPHYLOCOCCAL SEPTICEMIA</i>
03810	STAPHYLOCOCC SEPTICEM NOS
03811	METH SUSC STAPH AUR SEPT
03812	MRSA SEPTICEMIA
03819	STAPHYLOCC SEPTICEM NEC
0382	PNEUMOCOCCAL SEPTICEMIA
0383	ANAEROBIC SEPTICEMIA
78552	SEPTIC SHOCK
<i>78559</i>	<i>SHOCK W/O TRAUMA NEC</i>
<i>9980</i>	<i>POSTOPERATIVE SHOCK</i>
99800	POSTOPERATIVE SHOCK, NOS
99802	POSTOP SHOCK,SEPTIC

Septicemia due to:

03840	GRAM-NEGATIVE SEPTICEMIA NOS
03841	H. INFLUENAE SEPTICEMIA
03842	E COLI SEPTICEMIA
03843	PSEUDOMONAS SEPTICEMIA
03844	SERRATIA SEPTICEMIA
03849	GRAM-NEG SEPTICEMIA NEC
0388	SEPTICEMIA NEC
0389	SEPTICEMIA NOS
99591	SEPSIS
99592	SEVERE SEPSIS

¹ Italicized codes are not active in the current fiscal year.

² Bolded codes are new to the current fiscal year.

Denominator

All elective [i.e., SID Admission type # is recorded as elective (Admission Type = 3)] surgical discharges age 18 and older defined by specific DRGs or MS-DRGs and an ICD-9-CM code for an operating room procedure.

See *Patient Safety Indicators Appendices*:

- Appendix A – Operating Room Procedure Codes
 - Appendix D – Surgical Discharge DRGs
 - Appendix E – Surgical Discharge MS-DRGs
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Exclude cases:

- with principal diagnosis of sepsis or secondary diagnosis of present on admission*
- with principal diagnosis of infection or secondary diagnosis of present on admission*
- with any code for immunocompromised state or cancer
- MDC 14 (pregnancy, childbirth, and puerperium)

- with length of stay of less than 4 days
 - 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 F – Infection Diagnosis Codes
- Appendix H – Cancer Diagnosis Codes
- Appendix I – Immunocompromised State Diagnosis and Procedure Codes