

**CBE ID**

0529

**Title**

Prophylactic Antibiotics Discontinued Within 24 Hours After Surgery End Time

**Project**

Surgery Endorsement

**Endorsement Status**

Endorsement Removed

**E&M Committee Rationale/Justification**

Endorsed with reserve status retired. Steward no longer pursuing endorsement.

**Is Under Review**

No

**Previous Endorsement Cycle**

Full Year 2013

**Removal Date**

Wed, 03/11/2026 - 10:23

**Initial Endorsement**

Sun, 08/09/2009 - 20:00

**Steward**

Centers for Medicare & Medicaid Services

**1.1 Measure Structure**

Single Measure

**1.3 Electronic Clinical Quality Measure (eCQM)**

No

**1.6 Measure Description**

Surgical patients whose prophylactic antibiotics were discontinued within 24 hours after Anesthesia End Time. The Society of Thoracic Surgeons (STS) Practice Guideline for Antibiotic Prophylaxis in Cardiac Surgery (2006) indicates that there is no reason to extend antibiotics beyond 48 hours for cardiac surgery and very explicitly states that antibiotics should not be extended beyond 48 hours even with tubes and drains in place for cardiac surgery.

**1.7 Measure Type**

Process

## 1.8 Level of Analysis

Facility, Other

## 1.9 Care Setting

Inpatient/Hospital

## 1.14 Numerator

Number of surgical patients whose prophylactic antibiotics were discontinued within 24 hours after Anesthesia End Time (48 hours for CABG or Other Cardiac Surgery).

## 1.15 Denominator

All selected surgical patients with no evidence of prior infection. Included Populations: • An ICD-9-CM Principal Procedure Code of selected surgeries (as defined in Appendix A, Table 5.10 for ICD-9-CM codes) AND • An ICD-9-CM Principal Procedure Code of selected surgeries (as defined in Appendix A, Table 5.01-5.08 for ICD-9-CM codes)

## 1.20 Types of Data Sources

Claims Data, Other, Paper Patient Medical Records

## 6.1.2 Current or Planned Use(s)

Payment Program, Public Reporting, Quality Improvement with Benchmarking (external benchmarking to multiple organizations), Regulatory and Accreditation Programs

## 6.1.3 Current Use(s)

Payment Program, Public Reporting, Quality Improvement with Benchmarking (external benchmarking to multiple organizations), Regulatory and Accreditation Programs

## Exclusions

Excluded Populations:

- Patients less than 18 years of age
- Patients who have a Length of Stay greater than 120 days
- Patients whose Principal Procedure was on Table 5.25
- Patients who had a principal diagnosis suggestive of preoperative infectious diseases (as defined in Appendix A, Table 5.09 for ICD-9-CM codes)
- Patients enrolled in clinical trials
- Patients whose ICD-9-CM principal procedure occurred prior to the date of admission
- Patients with physician/advanced practice nurse/physician assistant (physician/APN/PA) documented infection prior to surgical procedure of interest
- Patients who expired perioperatively
- Patients who had other procedures requiring general or spinal anesthesia that occurred within three days (four days for CABG or Other Cardiac Surgery) prior to or after the procedure of interest (during separate surgical episodes) during this hospital stay
- Patients who received urinary antiseptics only (as defined in Appendix C, Table 3.11)
- Patients with Reasons to Extend Antibiotics

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- Patients who received antibiotics prior to arrival and did not receive any antibiotics during this hospitalization
  - Patients who received ONLY antibiotics with the route unable to be determined (UTD)
  - Patients who did not receive any antibiotics within the timeframe 24 hours before Surgical Incision Date and Time (i.e., patient did not receive prophylactic antibiotics) through discharge
  - Patients who received ALL antibiotics greater than 1440 minutes prior to Surgical Incision Date and Time
  - Patients who received ALL antibiotics greater than 3 days after Anesthesia End Date OR greater than 2 days after Anesthesia End Date for Principal Procedures on Tables 5.03-5.08
  - Patients who received ALL antibiotics greater than 4320 minutes after Anesthesia End Time OR greater than 2880 minutes after Anesthesia End Time for Principal Procedures on Tables 5.03-5.08

### **Measure Disclaimer**

N/A

### **Risk Adjustment**

No risk adjustment or risk stratification

### **Target Population**

Elderly

### **Use In Federal Program**

Hospital Compare, Hospital Inpatient Quality Reporting Program, Hospital Value-Based Purchasing, Prospective Payment System (PPS)-Exempt Cancer Hospital Quality Reporting

### **Steward Organization**

Centers for Medicare & Medicaid Services

### **Steward POC email**

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