

CBE ID

0351

Title

Death Rate among Surgical Inpatients with Serious Treatable Complications (PSI 04)

Project

Surgery

Endorsement Status

Endorsement Removed

Is Under Review

No

Previous Endorsement Cycle

Full Year 2015

Removal Date

Wed, 03/22/2017 - 20:00

Initial Endorsement

Wed, 05/14/2008 - 20:00

Steward

Agency for Healthcare Research and Quality

1.0 New or Maintenance

Maintenance

1.1 Measure Structure

Single Measure

1.3 Electronic Clinical Quality Measure (eCQM)

No

1.6 Measure Description

In-hospital deaths per 1,000 surgical discharges, among patients ages 18 through 89 years or obstetric patients, with serious treatable complications (shock/cardiac arrest, sepsis, pneumonia, deep vein thrombosis/ pulmonary embolism or gastrointestinal hemorrhage/acute ulcer). Includes metrics for the number of discharges for each type of complication. Excludes cases transferred to an acute care facility. A risk-adjusted rate is available. The risk-adjusted rate of PSI 04 relies on stratum-specific risk models. The stratum-specific models are combined to calculate an overall risk-adjusted rate.

1.7 Measure Type

Outcome

1.8 Level of Analysis

Facility

1.9 Care Setting

Inpatient/Hospital

1.14 Numerator

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

1.15 Denominator

Surgical discharges, for patients ages 18 through 89 years or MDC 14 (pregnancy, childbirth, and puerperium), with all of the following: • any-listed ICD-9-CM or ICD-10-PCS procedure codes for an operating room procedure; and • the principal procedure occurring within 2 days of admission or an admission type of elective (ATYPE=3); and • meet the inclusion and exclusion criteria for STRATUM_SHOCK (shock or cardiac arrest), STRATUM_SEPSIS (sepsis), STRATUM_PNEUMONIA (pneumonia), STRATUM_DVT (deep vein thrombosis or pulmonary embolism), or STRATUM_GI_HEM (gastrointestinal hemorrhage or acute ulcer) STRATUM_SHOCK (shock or cardiac arrest) • any secondary ICD-9-CM or ICD-10-CM diagnosis codes or any-listed ICD-9-CM or ICD-10-PCS procedure codes for shock or cardiac arrest STRATUM_SEPSIS (sepsis) • any secondary ICD-9-CM or ICD-10-CM diagnosis codes for sepsis. STRATUM_PNEUMONIA (pneumonia) • any secondary ICD-9-CM or ICD-10-CM diagnosis codes for pneumonia or pneumonitis. STRATUM_DVT (deep vein thrombosis or pulmonary embolism) • any secondary ICD-9-CM or ICD-10-CM diagnosis codes for deep vein thrombosis or pulmonary embolism. STRATUM_GI_HEM (gastrointestinal hemorrhage or acute ulcer) • any secondary ICD-9-CM or ICD-10-CM diagnosis codes for gastrointestinal hemorrhage or acute ulcer. Surgical discharges are defined by specific MS-DRG codes and ICD-9-CM/ICD-10-PCS codes indicating “major operating room procedures.”

1.20 Types of Data Sources

Claims Data

6.1.2 Current or Planned Use(s)

Public Reporting, Quality Improvement (Internal to the specific organization), Quality Improvement with Benchmarking (external benchmarking to multiple organizations)

6.1.3 Current Use(s)

Public Reporting, Quality Improvement (Internal to the specific organization), Quality Improvement with Benchmarking (external benchmarking to multiple organizations)

Exclusions

Exclude cases:

- transferred to an acute care facility (DISP = 2)
- with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing),

quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)

Measure Disclaimer

None

Risk Adjustment

Statistical risk model

Target Population

Populations at Risk: Populations at Risk

Use In Federal Program

Hospital Compare, Hospital Inpatient Quality Reporting Program

Steward Organization

Agency for Healthcare Research and Quality

Steward POC email

Pam.Owens@ahrq.hhs.gov