
CBE ID

0450

Title

Perioperative Pulmonary Embolism or Deep Vein Thrombosis Rate (PSI 12)

Project

Patient Safety

Endorsement Status

Endorsement Removed

Is Under Review

No

Previous Endorsement Cycle

Spring 2020

Removal Date

Sun, 05/09/2021 - 20:00

Initial Endorsement

Wed, 07/30/2008 - 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

Perioperative pulmonary embolism or proximal deep vein thrombosis (secondary diagnosis) per 1,000 surgical discharges for patients ages 18 years and older. Excludes discharges with a principal diagnosis of pulmonary embolism or proximal deep vein thrombosis; with a secondary diagnosis of pulmonary embolism or proximal deep vein thrombosis present on admission; in which interruption of the vena cava or a pulmonary arterial thromboectomy occurs before or on the same day as the first operating room procedure; with extracorporeal membrane oxygenation; with acute brain or spinal injury present on admission; and obstetric cases.

[NOTE: The software provides the rate per hospital discharge. However, common practice reports

the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report in-hospital deaths per 1,000 hospital discharges.]

1.7 Measure Type

Outcome

1.8 Level of Analysis

Facility

1.9 Care Setting

Inpatient/Hospital

1.14 Numerator

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with a secondary ICD-10-CM diagnosis code for proximal deep vein thrombosis (DEEPVIB) or a secondary ICD-10-CM diagnosis code for pulmonary embolism (PULMOID).

1.15 Denominator

Surgical discharges, (Appendix E: SURGI2R) for patients ages 18 years and older, with any-listed ICD-10-PCS procedure codes for an operating room procedure (Appendix A: ORPROC). Surgical discharges are defined by specific MS-DRG codes.

1.20 Types of Data Sources

Claims Data

Exclusions

Exclude cases:

- with a principal ICD-10-CM diagnosis code (or secondary diagnosis present on admission) for proximal deep vein thrombosis (DEEPVIB), among patients otherwise qualifying for the numerator
- with a principal ICD-10-CM diagnosis code (or secondary diagnosis present on admission) for pulmonary embolism (PULMOID), among patients otherwise qualifying for the numerator
- where a procedure for interruption of vena cava occurs before or on the same day as the first operating room procedure* (VENACIP)
- where the only operating room procedure was for interruption of vena cava (VENACIP)
- with any-listed ICD-10-CM diagnosis code present on admission for acute brain or spinal injury (NEURTRAD)
- with any-listed ICD-10-PCS procedure code for extracorporeal membrane oxygenation (ECMO) (ECMOP)
- where a procedure for pulmonary arterial thrombectomy occurs before or on the same day as the first operating room procedure (THROMP)
- where the only operating room procedure was for pulmonary arterial thrombectomy (THROMP)
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)

* If day of procedure is not available in the input data file, the rate may be slightly lower than if

the information was available.

Measure Disclaimer

None

Risk Adjustment

No risk adjustment or risk stratification

Target Population

Populations at Risk

Steward Organization

Agency for Healthcare Research and Quality

Steward POC email

Pam.Owens@ahrq.hhs.gov