**PSI #12  Postoperative Pulmonary Embolism or Deep Vein Thrombosis**

**Provider-Level Indicator**

### Numerator

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for deep vein thrombosis or pulmonary embolism in any secondary diagnosis field. *ICD-9-CM Deep Vein Thrombosis diagnosis codes:*

- 45111 PHLEBITIS AND THROMBOSIS OF FEMORAL VEIN (DEEP) (SUPERFICIAL)
- 45119 PHLEBITIS AND THROMBOPHLEBITIS OF DEEP VESSEL OF LOWER EXTREMITIES – OTHER
- 4512 PHLEBITIS AND THROMBOPHLEBITIS OF LOWER EXTREMITIES UNSPECIFIED
- 45181 PHLEBITIS AND THROMBOPHLEBITIS OF ILIAC VEIN
- 4519 PHLEBITIS AND THROMBOPHLEBITIS OF OTHER SITES - OF UNSPECIFIED SITE

*ICD-9-CM Pulmonary Embolism diagnosis codes:*

- 4151 PULMONARY EMBOLISM AND INFARCTION
- 41519 PULMONARY EMBOLISM AND INFARCTION, OTHER
- 41511 IATROGENIC PULMONARY EMBOLISM AND INFARCTION

### Denominator

All 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

Exclude cases:

- with principal diagnosis of deep vein thrombosis or pulmonary embolism or secondary diagnosis present on admission
- where a procedure for interruption of vena cava is the only operating room procedure
- where a procedure for interruption of vena cava occurs before or on the same day as the first operating room procedure
Note: If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available.

- MDC 14 (pregnancy, childbirth, and puerperium)

**ICD-9-CM Interruption of Vena Cava procedure code:**

387 INTERUPTION OF VENA CAVA