

Postoperative Pulmonary Embolism or Deep Vein Thrombosis Rate

Patient Safety Indicators #12 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 codes for deep vein thrombosis or pulmonary embolism in any secondary diagnosis field.

ICD-9-CM Deep vein thrombosis diagnosis codes¹:

45111	FEMORAL VEIN PHLEBITIS	45341	AC DVT/EMB PROX LOW EXT
45119	DEEP PHLEBITIS-LEG NEC	45342	AC DBT/EMB DISTL LOW EXT
4512	THROMBOPHLEBITIS LEG NOS	4538	<i>OTHER VENOUS EMBOLISM AND THROMBOSIS OF OTHER SPECIFIED VEINS</i>
45181	ILIAC THROMBOPHLEBITIS		
4519	<i>THROMBOPHLEBITIS NOS</i>		
45340	AC DVT/EMBL LOW EXT NOS	4539	VENOUS THROMBOSIS NOS

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

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

4151	<i>PULMONARY EMBOLISM AND INFARCTION</i>	41513	SADDLE EMBOL PULMON ART
41511	IATROGEN PULM EMB/INFARC	41519	PULM EMBOL/INFARCT NEC

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

² Bolded codes are new to the current fiscal year.

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)
 - 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

ICD-9-CM Interruption of vena cava procedure code:

387 INTERRUPTION OF VENA CAVA