

Supplementary Table S1 DVT and PE-related ICD-9-CM and CPT codes**I. DVT****A. DVT-related ICD-9-CM codes**

CM codes	Definition
451.11	Phlebitis and thrombophlebitis of femoral vein (deep) (superficial)
451.19	Phlebitis and thrombophlebitis of deep veins of lower extremities, other
451.2	Phlebitis and thrombophlebitis of lower extremities, unspecified
451.81	Phlebitis and thrombophlebitis of the iliac vein
451.83	Phlebitis and thrombophlebitis of deep veins of upper extremities
451.84	Phlebitis and thrombophlebitis of upper extremities, unspecified
451.89	Phlebitis and thrombophlebitis of other sites
451.9	Phlebitis and thrombophlebitis of unspecified site
453.2	Other venous embolism and thrombosis of inferior vena cava
453.40	Acute venous embolism and thrombosis of unspecified deep vessels of lower extremity
453.41	Acute venous embolism and thrombosis of deep vessels of proximal lower extremity
453.42	Acute venous embolism & thrombosis of deep vessels of distal lower extremity
453.82	Acute venous embolism and thrombosis of deep veins of upper extremity
453.83	Acute venous embolism and thrombosis of upper extremity, unspecified
453.84	Acute venous embolism and thrombosis of axillary veins
453.85	Acute venous embolism and thrombosis of subclavian veins
453.86	Acute venous embolism and thrombosis of internal jugular veins
453.87	Acute venous embolism and thrombosis of other thoracic veins
453.89	Acute venous embolism and thrombosis of other specified veins
671.3 [0,1,3]	Deep phlebothrombosis, antepartum [0 = unspecified as to episode of care or not applicable, 1 = delivered, with or without mention of antepartum condition, 3 = antepartum condition or complication]
671.4 [0,2,4]	Deep phlebothrombosis, postpartum [0 = unspecified as to episode of care or not applicable, 2 = delivered, with mention of postpartum complication, 4 = postpartum condition or complication]
671.5 [0-4]	Other phlebitis and thrombosis in pregnancy and the puerperium [0-4 codes as above]
671.9[0-4]	Unspecified venous complication in pregnancy and the puerperium [0-4 codes as above]

B. DVT-related ICD-9-CPT codes (selected)

CPT codes	Definition
34401	Thrombectomy, direct or with catheter; vena cava, iliac vein, by abdominal incision
34421	Thrombectomy, direct or with catheter; vena cava, iliac, femoropopliteal vein, by leg incision
34451	Thrombectomy, direct or with catheter; vena cava, iliac, femoropopliteal vein, by abdominal and leg incision
34471	Thrombectomy, direct or with catheter, subclavian vein, by neck incision
34490	Thrombectomy, direct or with catheter, axillary and subclavian vein, by arm incision
01522	Venous thrombectomy, direct or with catheter
37187[-8]	Percutaneous transluminal mechanical thrombectomy, vein(s), including intraprocedural pharmacological thrombolytic injections and fluoroscopic guidance [and repeat treatment on subsequent day during course of thrombolytic therapy]
37191	Insertion of intravascular vena cava filter, endovascular approach inclusive of vascular access, vessel selection, and all radiological supervision and interpretation, intraprocedural road mapping, and imaging guidance (ultrasound and fluoroscopy), when performed
37201	Transcatheter therapy, infusion for thrombolysis other than coronary

II. PE

A. PE-related ICD-9-CM codes

CM codes	Definition
415.11	Iatrogenic pulmonary embolism and infarction
415.13	Saddle embolus of pulmonary artery
415.19	Other pulmonary embolism and infarction
634.6[0-2]	Spontaneous abortion, complicated by embolism [0 = unspecified, 1 = incomplete, 2 = complete]
635.6[0-2]	Legally induced abortion, complicated by embolism [0-2 codes as above]
636.6[0-2]	Illegal abortion, complicated by embolism [0-2 codes as above]
637.6[0-2]	Legally unspecified abortion, complicated by embolism [0-2 codes as above]
638.6	Failed attempted abortion, complicated by embolism
639.6	Embolism following abortion or ectopic and molar pregnancies
673.2[0-4]	Obstetrical blood-clot embolism [0 = unspecified as to episode of care or not applicable, 1 = delivered, with or without mention of antepartum condition, 2 = delivered, with mention of postpartum complication, 3 = antepartum condition or complication, 4 = postpartum condition or complication]

B. PE-related ICD-9-CPT codes (selected)

CPT codes	Definition
33910	Pulmonary artery embolectomy, with cardiopulmonary bypass
33915	Pulmonary artery embolectomy, without cardiopulmonary bypass
37187[-8]	Percutaneous transluminal mechanical thrombectomy, vein(s), including intraprocedural pharmacological thrombolytic injections and fluoroscopic guidance [and repeat treatment on subsequent day during course of thrombolytic therapy]
37191	Insertion of intravascular vena cava filter, endovascular approach inclusive of vascular access, vessel selection, and all radiological supervision and interpretation, intraprocedural road mapping, and imaging guidance (ultrasound and fluoroscopy), when performed
37201	Transcatheter therapy, infusion for thrombolysis other than coronary

III. Nonspecific VTE (w/o other DVT/PE codes)

CM code	Definition
453.9	Other venous embolism and thrombosis, of unspecified site (embolism of vein; thrombosis of vein)

IV. Anticoagulant therapy (for use with DVT, PE, or nonspecific VTE, defined above)

CM code	Definition
V58.61	Long-term (current) use of anticoagulants
V58.63	Long-term (current) use of antiplatelet/antithrombotic

Abbreviations: CPT, Current Procedural Terminology; DVT, deep vein thrombosis; ICD-9-CM, International Classification of Diseases, Ninth Revision, Clinical Modification; PE, pulmonary embolism; VTE, venous thromboembolism.