**Supplementary Material 1**

**ICD 10 codes use for venous thromboembolism diagnosis:**

* I82.6 - Acute embolism and thrombosis of veins of upper extremity
* I82.4 - Acute embolism and thrombosis of deep veins of lower extremity
* I82.2 - Embolism and thrombosis of vena cava and other thoracic veins
* I82.3 - Embolism and thrombosis of renal vein
* I82.0 - Budd-Chiari syndrome
* I82.8 - Embolism and thrombosis of other specified veins
* I82.A - Embolism and thrombosis of axillary vein
* I67.6 - Nonpyogenic thrombosis of intracranial venous system
* I82.B - Embolism and thrombosis of subclavian vein
* I81 - Portal vein thrombosis
* G08 - Intracranial and intraspinal phlebitis and thrombophlebitis
* I26 - Pulmonary embolism
* I82.9 - Embolism and thrombosis of unspecified vein
* I82.C - Embolism and thrombosis of internal jugular vein

**RxNorm Codes used for identification of hormonal therapy**

* 4124 - Ethinyl estradiol
* 7518 - Norgestrel
* 14584 - Etonogestrel
* 31994 - Norgestimate
* 24591 - Ethynodiol
* 6373 - Levonorgestrel
* 2539031 - Estetrol
* 2855978 - Segesterone
* 7514 - Norethindrone
* 6691 - Medroxyprogesterone
* 11636 - Drospirenone
* 326374 – Norelgestromin

**RxNorm Codes used for identification of anticoagulants:**

* 1037042 - Dabigatran
* 1114195 - Rivaroxaban
* 11289 - Warfarin
* 1364430 - Apixaban
* 15202 - Argatroban
* 1599538 - Edoxaban
* 321208 - Fondaparinux
* 5224 - Heparin
* 60819 - Bivalirudin
* 67108 - Enoxaparin
* 67109 - Dalteparin