

Supplemental Material

Table S1: ICD-9 Codes for the Study Populations Inclusion Criteria

Inclusion Criteria	iCD-9 Code
Respiratory/failure or severe lung dz	136.3x, 466.xx, 480.xx-487.0x, 490.xx-518.0x, 518.2x-518.84, 519.0x, 519.1x
Acute infection	001.xx-136.2x, 136.4x-139.8x, 680.xx-686.xx, 730.xx, 996.6x, 997.62, 998.3x, 998.5x, 999.3x
Cancer	140.xx-208.xx; 230.xx-234.xx
Cardiological causes: IHD, CHF	398.91,402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 428.xx,
Rheumatic disease	390.xx, 391.xx, 392.xx, 393.xx, 394.xx, 395.xx, 396.xx, 397.xx, 398.0x
Inflammatory Bowel	555.xx, 556.xx
Diabetes mellitus, pancreatitis, and cholecystitis	250.xx, 577.0x, 577.1x, 575.0x, 575.1x

Table S2: IMPROVE VTE Risk Factors Weights and Definitions

Risk Factor	Points	Definition
History of VTE Diagnosis	3	ICD9 – PMH: 453.81, 453.83, 453.84, 453.85, 453.86, 453.87, 453.89, 453.9, 453.40, 453.41, 453.42, 459%
History of T Thrombophilia	2	ICD9 – PMH: 289.81, 289.82 Problem list contains %Thrombophilia%
Lower Limb Paralysis	2	'%hemiparesis%' OR '%hemiplegia%' OR '%paraplegia%' OR '%quadriplegia%' as documented in motor response nursing assessment flowsheet
Prior Diagnosis of Cancer	2	ICD9 – PMH: 140.00- 172.99, 174.00, 208.99
History of Immobility > 7 days	1	Orders for: 'Activity - Bedrest', 'Activity - Bedrest Strict', 'Activity - Bed in Chair Mode', 'Activity - Out of Bed to Chair'
ICU/CCU Stay	1	Transfer to ICU/CCU Unit
Over the Age of 60	1	Age > 60

Table S3: VTE by risk score

		<u>score</u>						
		0	1	2	3	4	5-10	Total
No VTE	n	3917	5662	3368	3598	1393	1144	19082
	% within score	99.87	99.53	99.32	98.87	99.15	97.69	--
	% across scores	20.53	29.67	17.65	18.86	7.30	6.00	--
	% of total population	20.38	29.46	17.53	18.72	7.25	5.95	99.30
VTE	n	5	27	23	41	12	27	135
	% within score	0.13	0.47	0.68	1.13	0.85	2.31	--
	% across scores	3.70	20.00	17.04	30.37	8.89	20.00	--
	% of total population	0.03	0.14	0.12	0.21	0.06	0.14	0.70
Total		3922	5689	3391	3639	1405	1171	19217
%		20.41	29.60	17.65	18.94	7.31	6.09	100.00

Figure S1: ROC for Derivation Cohort = 0.72

