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| Mnemonic | **Description** | **Denominator** | **Numerator** |
| ***vte1*** | ***Non-VTE patients received VTE prophylaxis*** | All cases are included except:* Date of discharge is <01/01/15
* Length of stay is < 2 days or >120 days
* A code from Table 7.01, 8.1 or 8.2 is the principal diagnosis code
* A code from Table 7.02, 7.03 or 7.04 is the principal diagnosis code or is a secondary diagnosis code
* A procedure code from Table 5.17, 5.19, 5.20, 5.21, 5.22, 5.23, or 5.24 is the principal procedure code
* There is documentation of comfort measures only on the day of or the day after arrival
* The patient was enrolled during this hospital stay in a clinical trial in which patients with VTE are being studied
* Patients who are direct admits to intensive care unit (ICU), or transferred to ICU the day of or the day after hospital admission with ICU LOS greater than or equal to one day
 | Cases included in the denominator will pass if:There must be a valid dates for* + date of admission
	+ date of administration of VTE prophylaxis
	+ and as applicable
		- surgery end date
		- date of the earliest order for admission to ICU
		- date of order for discharge from ICU AND
* No VTE prophylaxis was administered or only aspirin was administered as VTE prophylaxis and there is physician/APN/PA or pharmacist documentation of a reason why VTE prophylaxis was not administered the day of or day after hospital admission (or day of surgery or day after surgery end date)
* Aspirin and oral Factor Xa or only oral Factor Xa were administered timely\* as VTE prophylaxis and there is physician/APN/PA documentation of a reason for using oral Factor Xa or
* Any one of the following was administered timely\*
	+ Low dose unfractionated heparin, subcutaneous only
	+ Low molecular weight heparin
	+ Intermittent pneumatic compression devices
	+ Graduated compression stockings
	+ Parenteral Factor Xa
	+ warfarin
	+ Venous foot pumps

\*Timely VTE administration: * the day of or the day after hospital admission
* the day of or the day after surgery end date for surgeries that start the day of or the day after hospital admission
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| Mnemonic | **Description** | **Denominator** | **Numerator** |
| ***vte2*** | ***Non-VTE ICU patients received VTE prophylaxis*** | All cases are included except:* Date of discharge is <01/01/15
* Length of stay is < 2 days or >120 days
* A code from Table 7.02, 7.03 or 7.04 is the principal diagnosis code or is a secondary diagnosis code
* There is documentation of comfort measures only on the day of or the day after arrival
* The patient was enrolled during this hospital stay in a clinical trial in which patients with VTE are being studied
* Patients who were not admitted or transferred to the ICU anytime during this hospital stay, or ICU status is unable to be determined
* Patients with ICU LOS less than one day without VTE prophylaxis administered and documentation for no VTE prophylaxis
* A procedure code from Table 5.17, 5.19, 5.20, 5.21, 5.22, 5.23, or 5.24 is the principal procedure code and the surgery

 started the day of or the day after ICU  admission or transfer  | Cases included in the denominator will pass if:There must be a valid dates for* + date of the earliest order for ICU admission or transfer
	+ date of order for discharge from ICU
	+ date of administration of VTE prophylaxis in the ICU
	+ and as applicable
		- anesthesia begin date
		- surgery end date

 AND * No VTE prophylaxis was administered and there is physician/APN/PA or pharmacist documentation of a reason why VTE prophylaxis was not administered the day of or day after ICU admission
* Oral Factor Xa was administered timely\* as VTE prophylaxis and there is physician/APN/PA documentation of a reason for using oral Factor Xa or
* Any one of the following was administered timely\*
	+ Low dose unfractionated heparin, subcutaneous only
	+ Low molecular weight heparin
	+ Intermittent pneumatic compression devices
	+ Graduated compression stockings
	+ Parenteral Factor Xa
	+ warfarin
	+ Venous foot pumps

\*Timely VTE administration: * the day of or the day after ICU admission or transfer
* the day of or the day after surgery end date for surgeries that start the day of or the day after ICU admission or transfer
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| Mnemonic | **Description** | **Denominator** | **Numerator** |
| ***vte3*** | ***VTE patients with anticoagulation overlap therapy*** | All cases are included except:* Date of discharge is <01/01/15
* Length of stay is >120 days
* A code from Table 7.03 or 7.04 is not the principal diagnosis code and is not a secondary diagnosis code
* There is documentation of comfort measures only any time during the hospital stay
* The patient was enrolled during this hospital stay in a clinical trial in which patients with VTE are being studied
* Discharge disposition is anything other than home, other healthcare facility or unable to be determined
* Patients without a diagnostic test for VTE performed within 4 days prior to arrival or anytime during the hospital stay
* Patients without VTE in one of the defined locations confirmed by diagnostic testing
* Patients who did not receive warfarin at any time after the positive diagnostic test for VTE
 | Cases included in the denominator will pass if:* There is documentation by the physician/APN/PA or pharmacist on the day of or the day after the VTE diagnostic test of a reason why overlap therapy (parenteral anticoagulation therapy and warfarin) was not administered

OR* overlap therapy (parenteral anticoagulation therapy and warfarin) was administered and
* The first date and the last date that a parenteral (IV or subcutaneous) anticoagulant medication and warfarin were both administered are valid dates and one of the following
	+ overlap therapy was administered for >=4 days and the INR result is >=2 on the day of or the day after the last dose of parenteral anticoagulation therapy OR
	+ overlap therapy was administered for <4 days and parenteral anticoagulation medications were prescribed at discharge or there is documentation of a reason for discontinuation of parenteral anticoagulant therapy on the same day or the day beforethe order for the discontinuation OR
	+ the INR result is not >=2 on the day of or the day after the last dose of parenteral anticoagulation therapy and parenteral anticoagulation medications were prescribed at discharge or there is documentation of a reason for discontinuation of parenteral anticoagulant therapy on the same day or the day beforethe order for the discontinuation
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| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| ***vte4*** | ***VTE patients receiving unfractionated heparin (UFH) with dosage/platelet count monitoring by protocol or nomogram*** | All cases are included except:* Date of discharge is <01/01/15
* Length of stay is >120 days
* A code from Table 7.03 or 7.04 is not the principal diagnosis code and is not a secondary diagnosis code
* There is documentation of comfort measures only any time during the hospital stay
* The patient was enrolled during this hospital stay in a clinical trial in which patients with VTE are being studied
* Discharge disposition is anything other than home, other healthcare facility or unable to be determined
* Patients without a diagnostic test for VTE performed within 4 days prior to arrival or anytime during the hospital stay
* Patients without VTE in one of the defined locations confirmed by diagnostic testing
* Patients who did not receive IV unfractionated heparin
 | Cases included in the denominator will pass if:* Intravenous unfractionated heparin was administered and there is documentation by the physician/APN/PA that the IV unfractionated heparin and platelet counts were managed by defined parameters using a nomogram or protocol
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| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| ***vte5*** | ***VTE patients discharged on warfarin given discharge instructions*** | All cases are included except:* Date of discharge is <01/01/15
* Length of stay is >120 days
* A code from Table 7.03 or 7.04 is not the principal diagnosis code and is not a secondary diagnosis code
* The patient was enrolled during this hospital stay in a clinical trial in which patients with VTE are being studied
* Discharge disposition is anything other than home, home hospice or unable to be determined
* Patients without a diagnostic test for VTE performed within 4 days prior to arrival or anytime during the hospital stay
* Patients without VTE in one of the defined locations confirmed by diagnostic testing
* Patients without warfarin prescribed at discharge
 | Cases included in the denominator will pass if:* Patients who were prescribed warfarin at discharge received written discharge instructions that address all of the following components related to warfarin therapy prescribed after discharge:
	+ compliance issues
	+ dietary advice
	+ follow-up monitoring
	+ potential for adverse drug reactions and interactions
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| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| ***vte6*** | ***Hospital acquired potentially-preventable VTE******(lower is better)*** | All cases are included except:* Date of discharge is <01/01/15
* Length of stay is >120 days
* A code from Table 7.03 or 7.04 is

 the principal diagnosis code* A code from Table 7.03 or 7.04 is not a secondary diagnosis code
* Cases with clinician documentation that VTE was diagnosed or suspected from arrival to the day after admission
* There is documentation of comfort measures only any time during the hospital stay
* The patient was enrolled during this hospital stay in a clinical trial in which patients with VTE are being studied
* Patients without a diagnostic test for VTE performed within 4 days prior to arrival or anytime during the hospital stay
* Patients without VTE in one of the defined locations confirmed by diagnostic testing
* Patients with clinician documented reasons for not administering both pharmacological and mechanical VTE prophylaxis any time from the admission date and the day before the VTE diagnostic test order date
 | Case included in the denominator will pass if:* Mechanical and/or pharmacologic VTE prophylaxis was not administered any time from the admission date and the day before the VTE diagnostic test order date
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