

eMeasure Title	Venous Thromboembolism Prophylaxis		
eMeasure Identifier (Measure Authoring Tool)	108	eMeasure Version number	5.0.000
NQF Number	0371	GUID	38b0b5ec-0f63-466f-8fe3-2cd20ddd1622
Measurement Period	January 1, 20XX through December 31, 20XX		
Measure Steward	The Joint Commission		
Measure Developer	The Joint Commission		
Endorsed By	National Quality Forum		
Description	This measure assesses the number of patients who received VTE prophylaxis or have documentation why no VTE prophylaxis was given the day of or the day after hospital admission or surgery end date for surgeries that start the day of or the day after hospital admission		
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Disclaimer	These performance measures are not clinical guidelines and do not establish a standard of medical care, and have not been tested for all potential applications. The measures and specifications are provided without warranty		
Measure Scoring	Proportion		
Measure Type	Process		
Measure Item Count	Encounter, Performed: Encounter Inpatient		
Stratification	None		
Risk Adjustment	None		
Rate Aggregation	None		
Rationale	<p>Hospitalized patients at high-risk for VTE may develop an asymptomatic deep vein thrombosis (DVT), and die from pulmonary embolism (PE) even before the diagnosis is suspected. The majority of fatal events occur as sudden or abrupt death, underscoring the importance of prevention as the most critical action step for reducing death from PE (Geerts, et al, 2008).</p> <p>The estimated annual incidence of deep-vein thrombosis (DVT) and pulmonary embolism (PE), known collectively as venous thromboembolism (VTE), is approximately 900,000 (Geerts, et al, 2008). Approximately two-thirds of cases of DVT or PE are associated with recent hospitalization. This is consistent with the 2001 report by The Agency for Healthcare Research and Quality (AHRQ). AHRQ indicates that "the appropriate application of effective preventive measures in hospitals has major potential for improving patient safety by reducing the incidence of venous thromboembolism" (Shojania, 2001).</p> <p>Despite its proven effectiveness, rates of appropriate thromboprophylaxis remain low in both medical and surgical patients. A recent analysis from the ENDORSE survey, which evaluated prophylaxis rates in 17,084 major surgery patients, found that more than one third of patients at risk for VTE (38%) did not receive prophylaxis and that rates varied by surgery type (Cohen, et al., 2008).</p> <p>In a review of evidence-based patient safety practices, the Agency for Healthcare Research and Quality defined thromboprophylaxis against VTE as the "number one patient safety practice" for hospitalized patients (Shojania, 2001). Updated "safe practices" published by the National Quality Forum (NQF) recommend routine evaluation of hospitalized patients for risk of VTE and use of appropriate prophylaxis (National Quality Forum. National Voluntary Consensus Standards for Prevention and Care of Venous Thromboembolism, 2006).</p> <p>As noted by the ACCP, a vast number of randomized clinical trials provide irrefutable evidence that thromboprophylaxis reduces VTE events, and there are studies that have also shown that fatal PE is prevented by thromboprophylaxis (Geerts, et al. 2008).</p> <p>Some select surgeries have previously been monitored in the Surgical Care Improvement Project; since performance on these surgeries has achieved very high levels, they are not included in this measure.</p>		
Clinical Recommendation Statement	Failure to recognize and protect patients at risk for venous thromboembolism (VTE) increases the chances for acutely ill hospitalized patients at high risk for developing a deep vein thrombosis or dying from a pulmonary emboli. Screening all patients is the only evidence based practice in reducing incidence of disease. All hospitalized patients should be evaluated for primary VTE prophylaxis, and given appropriate prophylaxis when indicated.		
Improvement Notation	Improvement noted as an increase in rate		
Reference	Cohen AT, Tapson VF, Bergmann JF, et al. Venous thromboembolism risk and prophylaxis in the acute hospital care setting (ENDORSE study): a multinational cross-sectional study. Lancet. 2008;371:387-394.		
Reference	Geerts WH, Bergqvist D, Pineo GF, Heit JA, Samama CM, Lassen MR, Colwell CW. Prevention of venous		

	thromboembolism. The Eighth ACCP Conference on antithrombotic and thrombolytic therapy. Chest. 2008; 133:381S-453S
Reference	Guyatt, G.H., Akl, E.A., Crowther, M., Gutterman, D., Schunemann, H. Antithrombotic Therapy and Prevention of Thrombosis, 9th edition: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. CHEST 2012; 141(2)(Supp):7S-47S
Reference	Kearon C, Akl EA, Comerota AJ, Prandoni P, Bounameaux H, Goldhaber SZ, Nelson ME, Wells PS, Gould MK, Dentali F, Crowther M, Kahn SR. Antithrombotic therapy for VTE disease: Antithrombotic Therapy and Prevention of Thrombosis, 9th Edition: American College of Chest Physicians Evidence-based Clinical Practice Guidelines. CHEST 2012 Feb; 141(2) (Supp):e419S-94S.
Reference	National Quality Forum. National Voluntary Consensus Standards for Prevention and Care of Venous Thromboembolism: Policy, Preferred Practices, and Initial Performance Measures. A Consensus Report. Washington, DC. NQF; 2006
Reference	Shojania KG, Duncan BW, McDonald DM, et al. (Eds.). (2001). Making healthcare safer; A critical analysis of patient safety practices (Evidence Report/Technology Assessment No. 43). Prepared by the University of California at San Francisco-Stanford Evidenced-based Practice Center under Contract no. 290-97-0013 (AHRQ Publication NO.01-E058). Rockville, MD:Agency for Healthcare Research and Quality.
Definition	None
Guidance	When low dose unfractionated heparin is not administered due to medical reasons, the intended administration route is subcutaneous
Transmission Format	TBD
Initial Population	Patients age 18 and older discharged during the measurement period from hospital inpatient acute care with a length of stay less than or equal to 120 days, without a diagnosis of venous thromboembolism (VTE) or obstetrics
Denominator	All patients in the initial population
Denominator Exclusions	<ul style="list-style-type: none"> * Patients who have a length of stay less than 2 days * Patients with comfort measures documented anytime between arrival and the day after hospital admission * Patients with comfort measures documented by the day after surgery end date for surgeries that start the day of or the day after hospital admission * 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 length of stay greater than or equal to one day * Patients with a principal diagnosis of mental disorders or stroke * Patients with a principal procedure of Surgical Care Improvement Project (SCIP) VTE selected surgeries
Numerator	<p>Patients who received VTE prophylaxis:</p> <ul style="list-style-type: none"> - the day of or the day after hospital admission - the day of or the day after surgery end date for surgeries that end the day of or the day after hospital admission <p>Patients who have documentation of a reason why no VTE prophylaxis was given:</p> <ul style="list-style-type: none"> - between arrival and hospital admission - the day of or the day after hospital admission - the day of or the day after surgery end date (for surgeries that end the day of or the day after hospital admission)
Numerator Exclusions	Not Applicable
Denominator Exceptions	None
Supplemental Data Elements	For every patient evaluated by this measure also identify payer, race, ethnicity and sex

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Population Criteria

- **Initial Population =**
 - AND: Age >= 18 year(s) at: Occurrence A of \$EncounterInpatient
 - AND NOT: Union of:
 - Intersection of:
 - Occurrence A of \$EncounterInpatient
 - "Encounter, Performed: Encounter Inpatient" satisfies any:
 - (diagnosis: Obstetrics)
 - (diagnosis: Venous Thromboembolism)
 - (diagnosis: Obstetrics VTE)
 - Union of:
 - "Diagnosis: Obstetrics"
 - \$DiagnosisVTE
 - starts during Occurrence A of \$EncounterInpatient

- Union of:
 - "Diagnosis: Obstetrics"
 - \$DiagnosisVTE
 - starts during ("Encounter, Performed: Emergency Department Visit" <= 1 hour(s) ends before or concurrent with start of Occurrence A of \$EncounterInpatient)
- **Denominator =**
 - AND: Initial Population
- **Denominator Exclusions =**
 - OR: Intersection of:
 - Occurrence A of \$EncounterInpatient
 - "Encounter, Performed: Encounter Inpatient (length of stay < 2 day(s))"
 - OR: "Encounter, Performed: ICU Admission or Transfer (length of stay >= 1 day(s))" <= 1 day(s) starts after or concurrent with start of Occurrence A of \$EncounterInpatient
 - OR: Intersection of:
 - Occurrence A of \$EncounterInpatient
 - "Encounter, Performed: Encounter Inpatient" satisfies any:
 - (principal diagnosis: Mental Health Diagnoses)
 - (principal diagnosis: Hemorrhagic Stroke)
 - (principal diagnosis: Ischemic Stroke)
 - OR: Union of:
 - "Procedure, Performed: General Surgery (ordinality: Principal)"
 - "Procedure, Performed: Gynecological Surgery (ordinality: Principal)"
 - "Procedure, Performed: Hip Fracture Surgery (ordinality: Principal)"
 - "Procedure, Performed: Hip Replacement Surgery (ordinality: Principal)"
 - "Procedure, Performed: Intracranial Neurosurgery (ordinality: Principal)"
 - "Procedure, Performed: Knee Replacement Surgery (ordinality: Principal)"
 - "Procedure, Performed: Urological Surgery (ordinality: Principal)"
 - during Occurrence A of \$EncounterInpatient
 - OR: \$InterventionComfortMeasures <= 1 day(s) starts after start of ("Encounter, Performed: Emergency Department Visit" <= 1 hour(s) ends before or concurrent with start of Occurrence A of \$EncounterInpatient)
 - OR: \$InterventionComfortMeasures <= 1 day(s) starts after start of Occurrence A of \$EncounterInpatient
 - OR: \$InterventionComfortMeasures <= 1 day(s) starts after end of ("Procedure, Performed: General or Neuraxial Anesthesia" <= 1 day(s) ends after start of Occurrence A of \$EncounterInpatient)
- **Numerator =**
 - AND:
 - # VTE prophylaxis options
 - OR: Union of:
 - \$MedicationVTEProphylaxis <= 1 day(s) starts after start of Occurrence A of \$EncounterInpatient
 - \$MedicationVTEProphylaxis <= 1 day(s) starts after end of ("Procedure, Performed: General or Neuraxial Anesthesia" <= 1 day(s) ends after start of Occurrence A of \$EncounterInpatient)
 - \$DeviceVTEProphylaxis <= 1 day(s) starts after start of Occurrence A of \$EncounterInpatient
 - \$DeviceVTEProphylaxis <= 1 day(s) starts after end of ("Procedure, Performed: General or Neuraxial Anesthesia" <= 1 day(s) ends after start of Occurrence A of \$EncounterInpatient)
 - OR:
 - AND: "Medication, Administered: Oral Factor Xa Inhibitor for VTE Prophylaxis or VTE Treatment" satisfies any:
 - <= 1 day(s) starts after start of Occurrence A of \$EncounterInpatient
 - <= 1 day(s) starts after end of ("Procedure, Performed: General or Neuraxial Anesthesia" <= 1 day(s) ends after start of Occurrence A of \$EncounterInpatient)
 - AND:
 - OR: Union of:
 - Intersection of:
 - Occurrence A of \$EncounterInpatient
 - "Encounter, Performed: Encounter Inpatient (diagnosis: Atrial Fibrillation/Flutter)"
 - "Diagnosis: Atrial Fibrillation/Flutter" starts before or concurrent with end of Occurrence A of \$EncounterInpatient
 - "Diagnosis: Venous Thromboembolism" starts before start of Occurrence A of \$EncounterInpatient
 - OR: Union of:
 - "Procedure, Performed: Hip Replacement Surgery"
 - "Procedure, Performed: Knee Replacement Surgery"
 - starts before or concurrent with end of Occurrence A of \$EncounterInpatient
- # Reasons for no VTE prophylaxis
- OR: Union of:
 - "Risk Category Assessment: VTE Risk Assessment (result: Low Risk)"
 - "Laboratory Test, Performed: INR (result > 3.0)"
 - "Medication, Administered: Unfractionated Heparin (route: Intravenous route)"
 - "Medication, Administered: Direct Thrombin Inhibitor"
 - "Medication, Administered: Glycoprotein IIb/IIIa Inhibitors"
 - starts during ("Encounter, Performed: Emergency Department Visit" <= 1 hour(s) ends before or concurrent with start of Occurrence A of \$EncounterInpatient)
- OR: Union of:
 - "Risk Category Assessment: VTE Risk Assessment (result: Low Risk)"

- "Laboratory Test, Performed: INR (result > 3.0)"
 - "Medication, Administered: Unfractionated Heparin (route: Intravenous route)"
 - "Medication, Administered: Direct Thrombin Inhibitor"
 - "Medication, Administered: Glycoprotein IIb/IIIa Inhibitors"
 - <= 1 day(s) starts after start of Occurrence A of \$EncounterInpatient
 - OR: Union of:
 - "Risk Category Assessment: VTE Risk Assessment (result: Low Risk)"
 - "Laboratory Test, Performed: INR (result > 3.0)"
 - "Medication, Administered: Unfractionated Heparin (route: Intravenous route)"
 - "Medication, Administered: Direct Thrombin Inhibitor"
 - "Medication, Administered: Glycoprotein IIb/IIIa Inhibitors"
 - <= 1 day(s) starts after end of ("Procedure, Performed: General or Neuraxial Anesthesia" <= 1 day(s) ends after start of Occurrence A of \$EncounterInpatient)
 - OR:
 - AND: \$NoMedicationVTEProphylaxisMedicalReason starts during ("Encounter, Performed: Emergency Department Visit" <= 1 hour(s) ends before or concurrent with start of Occurrence A of \$EncounterInpatient)
 - AND: \$NoDeviceVTEProphylaxisMedicalReason starts during ("Encounter, Performed: Emergency Department Visit" <= 1 hour(s) ends before or concurrent with start of Occurrence A of \$EncounterInpatient)
 - OR:
 - AND: \$NoMedicationVTEProphylaxisMedicalReason <= 1 day(s) starts after start of Occurrence A of \$EncounterInpatient
 - AND: \$NoDeviceVTEProphylaxisMedicalReason <= 1 day(s) starts after start of Occurrence A of \$EncounterInpatient
 - OR:
 - AND: \$NoMedicationVTEProphylaxisMedicalReason <= 1 day(s) starts after end of ("Procedure, Performed: General or Neuraxial Anesthesia" <= 1 day(s) ends after start of Occurrence A of \$EncounterInpatient)
 - AND: \$NoDeviceVTEProphylaxisMedicalReason <= 1 day(s) starts after end of ("Procedure, Performed: General or Neuraxial Anesthesia" <= 1 day(s) ends after start of Occurrence A of \$EncounterInpatient)
 - OR: Union of:
 - \$NoVTEProphylaxisPatientRefusal <= 1 day(s) starts after start of Occurrence A of \$EncounterInpatient
 - \$NoVTEProphylaxisPatientRefusal <= 1 day(s) starts after end of ("Procedure, Performed: General or Neuraxial Anesthesia" <= 1 day(s) ends after start of Occurrence A of \$EncounterInpatient)
 - \$NoVTEProphylaxisPatientRefusal starts during ("Encounter, Performed: Emergency Department Visit" <= 1 hour(s) ends before or concurrent with start of Occurrence A of \$EncounterInpatient)
- **Numerator Exclusions =**
 - None
 - **Denominator Exceptions =**
 - None
 - **Stratification =**
 - None

Data Criteria (QDM Variables)

- **\$DeviceVTEProphylaxis =**
 - Union of:
 - "Device, Applied: Intermittent pneumatic compression devices (IPC)"
 - "Device, Applied: Venous foot pumps (VFP)"
 - "Device, Applied: Graduated compression stockings (GCS)"
- **\$DiagnosisVTE =**
 - Union of:
 - "Diagnosis: Venous Thromboembolism"
 - "Diagnosis: Obstetrics VTE"
- **\$EncounterInpatient =**
 - "Encounter, Performed: Encounter Inpatient" satisfies all:
 - (length of stay <= 120 day(s))
 - ends during "Measurement Period"
- **\$InterventionComfortMeasures =**
 - Union of:
 - "Intervention, Order: Comfort Measures"
 - "Intervention, Performed: Comfort Measures"
- **\$MedicationVTEProphylaxis =**
 - Union of:
 - "Medication, Administered: Low Dose Unfractionated Heparin for VTE Prophylaxis (route: Subcutaneous route)"
 - "Medication, Administered: Low Molecular Weight Heparin for VTE Prophylaxis"
 - "Medication, Administered: Injectable Factor Xa Inhibitor for VTE Prophylaxis"
 - "Medication, Administered: Warfarin"
- **\$NoDeviceVTEProphylaxisMedicalReason =**
 - Union of:
 - "Device, Applied not done: Medical Reason" for "Intermittent pneumatic compression devices (IPC)"
 - "Device, Applied not done: Medical Reason" for "Venous foot pumps (VFP)"
 - "Device, Applied not done: Medical Reason" for "Graduated compression stockings (GCS)"
 - "Device, Order not done: Medical Reason" for "Intermittent pneumatic compression devices (IPC)"

- "Device, Order not done: Medical Reason" for "Venous foot pumps (VFP)"
 - "Device, Order not done: Medical Reason" for "Graduated compression stockings (GCS)"
 - **\$NoMedicationVTEProphylaxisMedicalReason =**
 - Union of:
 - "Medication, Administered not done: Medical Reason" for "Low Dose Unfractionated Heparin for VTE Prophylaxis"
 - "Medication, Administered not done: Medical Reason" for "Low Molecular Weight Heparin for VTE Prophylaxis"
 - "Medication, Administered not done: Medical Reason" for "Injectable Factor Xa Inhibitor for VTE Prophylaxis"
 - "Medication, Administered not done: Medical Reason" for "Warfarin"
 - "Medication, Order not done: Medical Reason" for "Unfractionated Heparin for VTE prophylaxis ingredient specific"
 - "Medication, Order not done: Medical Reason" for "Low Molecular Weight Heparin for VTE prophylaxis ingredient specific"
 - "Medication, Order not done: Medical Reason" for "Injectable factor Xa inhibitor for VTE prophylaxis ingredient specific"
 - "Medication, Order not done: Medical Reason" for "Warfarin-only ingredient specific"
 - **\$NoVTEProphylaxisPatientRefusal =**
 - Union of:
 - "Medication, Administered not done: Patient Refusal" for "Low Dose Unfractionated Heparin for VTE Prophylaxis"
 - "Medication, Administered not done: Patient Refusal" for "Low Molecular Weight Heparin for VTE Prophylaxis"
 - "Medication, Administered not done: Patient Refusal" for "Injectable Factor Xa Inhibitor for VTE Prophylaxis"
 - "Medication, Administered not done: Patient Refusal" for "Warfarin"
 - "Medication, Order not done: Patient Refusal" for "Unfractionated Heparin for VTE prophylaxis ingredient specific"
 - "Medication, Order not done: Patient Refusal" for "Low Molecular Weight Heparin for VTE prophylaxis ingredient specific"
 - "Medication, Order not done: Patient Refusal" for "Injectable factor Xa inhibitor for VTE prophylaxis ingredient specific"
 - "Medication, Order not done: Patient Refusal" for "Warfarin-only ingredient specific"
 - "Device, Applied not done: Patient Refusal" for "Intermittent pneumatic compression devices (IPC)"
 - "Device, Applied not done: Patient Refusal" for "Venous foot pumps (VFP)"
 - "Device, Applied not done: Patient Refusal" for "Graduated compression stockings (GCS)"
 - "Device, Order not done: Patient Refusal" for "Intermittent pneumatic compression devices (IPC)"
 - "Device, Order not done: Patient Refusal" for "Venous foot pumps (VFP)"
 - "Device, Order not done: Patient Refusal" for "Graduated compression stockings (GCS)"

Data Criteria (QDM Data Elements)

- "Device, Applied: Graduated compression stockings (GCS)" using "Graduated compression stockings (GCS) SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.256)"
- "Device, Applied: Intermittent pneumatic compression devices (IPC)" using "Intermittent pneumatic compression devices (IPC) SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.214)"
- "Device, Applied: Venous foot pumps (VFP)" using "Venous foot pumps (VFP) SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.230)"
- "Device, Applied not done: Patient Refusal" using "Patient Refusal SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.93)"
- "Device, Applied not done: Medical Reason" using "Medical Reason SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.473)"
- "Device, Order: Graduated compression stockings (GCS)" using "Graduated compression stockings (GCS) SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.256)"
- "Device, Order: Intermittent pneumatic compression devices (IPC)" using "Intermittent pneumatic compression devices (IPC) SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.214)"
- "Device, Order: Venous foot pumps (VFP)" using "Venous foot pumps (VFP) SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.230)"
- "Device, Order not done: Patient Refusal" using "Patient Refusal SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.93)"
- "Device, Order not done: Medical Reason" using "Medical Reason SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.473)"
- "Diagnosis: Atrial Fibrillation/Flutter" using "Atrial Fibrillation/Flutter Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.202)"
- "Diagnosis: Obstetrics" using "Obstetrics Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.263)"
- "Diagnosis: Obstetrics VTE" using "Obstetrics VTE Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.264)"
- "Diagnosis: Venous Thromboembolism" using "Venous Thromboembolism Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.279)"
- "Encounter, Performed: Emergency Department Visit" using "Emergency Department Visit SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.292)"
- "Encounter, Performed: Encounter Inpatient" using "Encounter Inpatient SNOMEDCT Value Set (2.16.840.1.113883.3.666.5.307)"
- "Encounter, Performed: ICU Admission or Transfer" using "ICU Admission or Transfer SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.305)"
- "Intervention, Order: Comfort Measures" using "Comfort Measures SNOMEDCT Value Set (1.3.6.1.4.1.33895.1.3.0.45)"
- "Intervention, Performed: Comfort Measures" using "Comfort Measures SNOMEDCT Value Set (1.3.6.1.4.1.33895.1.3.0.45)"

- "Laboratory Test, Performed: INR" using "INR LOINC Value Set (2.16.840.1.113883.3.117.1.7.1.213)"
- "Medication, Administered: Direct Thrombin Inhibitor" using "Direct Thrombin Inhibitor RXNORM Value Set (2.16.840.1.113883.3.117.1.7.1.205)"
- "Medication, Administered: Glycoprotein IIb/IIIa Inhibitors" using "Glycoprotein IIb/IIIa Inhibitors RXNORM Value Set (2.16.840.1.113762.1.4.1045.41)"
- "Medication, Administered: Injectable Factor Xa Inhibitor for VTE Prophylaxis" using "Injectable Factor Xa Inhibitor for VTE Prophylaxis RXNORM Value Set (2.16.840.1.113883.3.117.1.7.1.211)"
- "Medication, Administered: Low Dose Unfractionated Heparin for VTE Prophylaxis" using "Low Dose Unfractionated Heparin for VTE Prophylaxis RXNORM Value Set (2.16.840.1.113762.1.4.1045.39)"
- "Medication, Administered: Low Molecular Weight Heparin for VTE Prophylaxis" using "Low Molecular Weight Heparin for VTE Prophylaxis RXNORM Value Set (2.16.840.1.113883.3.117.1.7.1.219)"
- "Medication, Administered: Oral Factor Xa Inhibitor for VTE Prophylaxis or VTE Treatment" using "Oral Factor Xa Inhibitor for VTE Prophylaxis or VTE Treatment RXNORM Value Set (2.16.840.1.113883.3.117.1.7.1.134)"
- "Medication, Administered: Unfractionated Heparin" using "Unfractionated Heparin RXNORM Value Set (2.16.840.1.113883.3.117.1.7.1.218)"
- "Medication, Administered: Warfarin" using "Warfarin RXNORM Value Set (2.16.840.1.113883.3.117.1.7.1.232)"
- "Medication, Administered not done: Patient Refusal" using "Patient Refusal SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.93)"
- "Medication, Administered not done: Medical Reason" using "Medical Reason SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.473)"
- "Medication, Order: Injectable factor Xa inhibitor for VTE prophylaxis ingredient specific" using "Injectable factor Xa inhibitor for VTE prophylaxis ingredient specific RXNORM Value Set (2.16.840.1.113762.1.4.1021.11)"
- "Medication, Order: Low Molecular Weight Heparin for VTE prophylaxis ingredient specific" using "Low Molecular Weight Heparin for VTE prophylaxis ingredient specific RXNORM Value Set (2.16.840.1.113762.1.4.1021.12)"
- "Medication, Order: Unfractionated Heparin for VTE prophylaxis ingredient specific" using "Unfractionated Heparin for VTE prophylaxis ingredient specific RXNORM Value Set (2.16.840.1.113762.1.4.1021.13)"
- "Medication, Order: Warfarin-only ingredient specific" using "Warfarin-only ingredient specific RXNORM Value Set (2.16.840.1.113762.1.4.1021.10)"
- "Medication, Order not done: Patient Refusal" using "Patient Refusal SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.93)"
- "Medication, Order not done: Medical Reason" using "Medical Reason SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.473)"
- "Procedure, Performed: General or Neuraxial Anesthesia" using "General or Neuraxial Anesthesia Grouping Value Set (2.16.840.1.113883.3.666.5.1743)"
- "Procedure, Performed: General Surgery" using "General Surgery Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.255)"
- "Procedure, Performed: Gynecological Surgery" using "Gynecological Surgery Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.257)"
- "Procedure, Performed: Hip Fracture Surgery" using "Hip Fracture Surgery Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.258)"
- "Procedure, Performed: Hip Replacement Surgery" using "Hip Replacement Surgery Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.259)"
- "Procedure, Performed: Intracranial Neurosurgery" using "Intracranial Neurosurgery Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.260)"
- "Procedure, Performed: Knee Replacement Surgery" using "Knee Replacement Surgery Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.261)"
- "Procedure, Performed: Urological Surgery" using "Urological Surgery Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.272)"
- "Risk Category Assessment: VTE Risk Assessment" using "VTE Risk Assessment LOINC Value Set (2.16.840.1.113883.3.117.1.7.1.357)"
- Attribute: "Diagnosis: Atrial Fibrillation/Flutter" using "Atrial Fibrillation/Flutter Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.202)"
- Attribute: "Result: Low Risk" using "Low Risk SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.400)"
- Attribute: "Ordinality: Principal" using "Principal SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.14)"
- Attribute: "Route: Intravenous route" using "Intravenous route SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.222)"
- Attribute: "Diagnosis: Obstetrics" using "Obstetrics Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.263)"
- Attribute: "Diagnosis: Obstetrics VTE" using "Obstetrics VTE Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.264)"
- Attribute: "Route: Subcutaneous route" using "Subcutaneous route SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.223)"
- Attribute: "Principal diagnosis: Mental Health Diagnoses" using "Mental Health Diagnoses Grouping Value Set (2.16.840.1.113883.3.464.1003.105.12.1004)"
- Attribute: "Principal diagnosis: Ischemic Stroke" using "Ischemic Stroke Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.247)"
- Attribute: "Principal diagnosis: Hemorrhagic Stroke" using "Hemorrhagic Stroke Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.212)"
- Attribute: "Diagnosis: Venous Thromboembolism" using "Venous Thromboembolism Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.279)"

Supplemental Data Elements

- "Patient Characteristic Ethnicity: Ethnicity" using "Ethnicity CDCREC Value Set (2.16.840.1.114222.4.11.837)"
- "Patient Characteristic Payer: Payer" using "Payer SOP Value Set (2.16.840.1.114222.4.11.3591)"

- "Patient Characteristic Race: Race" using "Race CDCREC Value Set (2.16.840.1.114222.4.11.836)"
- "Patient Characteristic Sex: ONC Administrative Sex" using "ONC Administrative Sex AdministrativeGender Value Set (2.16.840.1.113762.1.4.1)"

Risk Adjustment Variables

- None

Measure Set eMeasure Venous Thromboembolism (eVTE)
