2020 eCQM Flow – **CMS108v8: Venous Thromboembolism Prophylaxis (VTE-1)***

**This flow diagram represents an overview of population criteria requirements. Please refer to the eCQM measure specification for a complete list of definitions, direct reference codes, data or timing elements included in this measure and required for submission.*

Measure Flow Diagram

2020 eCQM Flow – **CMS108v8: Venous Thromboembolism Prophylaxis (VTE-1)***

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Measure Flow Diagram (Continued)

2020 eCQM Flow – **CMS108v8: Venous Thromboembolism Prophylaxis (VTE-1)***

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Measure Flow Diagram (Continued)

2020 eCQM Flow – **CMS108v8: Venous Thromboembolism Prophylaxis (VTE-1)***

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Measure Flow Diagram (Continued)

Sample Calculation

$$\text{Performance Rate} = \frac{\text{Numerator } (c1 + c2 + c3 + c4 + c5 = 60)}{\text{Denominator } (a = 100) - \text{Denominator Exclusions } (b1 + b2 + b3 + b4 + b5 + b6 = 20)} = 75\%$$

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Measure Flow Diagram (Continued)

Numerator

Patients who received VTE prophylaxis:

c1

"Encounter With VTE Prophylaxis Received on Day of or Day After Admission or Procedure"

"**Encounter With Age Range and Without VTE Diagnosis or Obstetrical Conditions**"

WITH
"VTE Prophylaxis by Medication Administered or Device Applied"
["Medication, Administered":
"LOW DOSE UNFRACTIONATED HEPARIN FOR VTE PROPHYLAXIS"]
(Route) "SUBCUTANEOUS ROUTE" **OR**
"LOW MOLECULAR WEIGHT HEPARIN FOR VTE PROPHYLAXIS"] **OR**
"INJECTABLE FACTOR XA INHIBITOR FOR VTE PROPHYLAXIS"] **OR**
"WARFARIN"]
OR
["Device, Applied":
"INTERMITTENT PNEUMATIC COMPRESSION DEVICES (IPC)"] **OR**
"VENOUS FOOT PUMPS (VFP)"] **OR**
"GRADUATED COMPRESSION STOCKINGS (GCS)"]

starts Calendar Day of or Day After:
start of encounter
OR
end of ["Procedure, Performed": "GENERAL OR NEURAXIAL ANESTHESIA"] ends 1 day after day of start of encounter

c2

"Encounter With Medication Oral Factor Xa Inhibitor Administered on Day of or Day After Admission or Procedure"

"**Encounter With Age Range and Without VTE Diagnosis or Obstetrical Conditions**"

WITH
["Medication, Administered": "ORAL FACTOR XA INHIBITOR FOR VTE PROPHYLAXIS OR VTE TREATMENT"]
starts Calendar Day of or Day After:
start of encounter
OR
end of ["Procedure, Performed": "GENERAL OR NEURAXIAL ANESTHESIA"] ends 1 day after day of start of encounter

AND
"**Encounter With Prior or Present Diagnosis of Atrial Fibrillation or VTE**"
["Diagnosis": "ATRIAL FIBRILLATION/FLUTTER"] starts on or before end of encounter **OR** (Encounter Diagnosis) "ATRIAL FIBRILLATION/ FLUTTER" **OR** ["Diagnosis": "VENOUS THROMBOEMBOLISM"] starts before start of encounter
OR
"**Encounter With Prior or Present Procedure of Hip or Knee Replacement Surgery**"
[Procedure, Performed": "HIP REPLACEMENT SURGERY" OR "KNEE REPLACEMENT SURGERY"] starts on or before end of encounter

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Measure Flow Diagram (Additional Details)

2020 eCQM Flow – **CMS108v8: Venous Thromboembolism Prophylaxis (VTE-1)***

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Measure Flow Diagram (Additional Details)

2020 eCQM Flow – **CMS108v8: Venous Thromboembolism Prophylaxis (VTE-1)***

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Measure Flow Diagram (Additional Details)

2020 eCQM Flow – **CMS108v8: Venous Thromboembolism Prophylaxis (VTE-1)***

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Measure Flow Narrative

The measure flow diagram on the preceding pages illustrates the steps to determine the population criteria for this measure.

Measure 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
Initial Population	Start by identifying the initial population criteria as inpatient hospitalizations with: • patients age 18 and older discharged from hospital inpatient acute care • without a diagnosis of venous thromboembolism (VTE) or obstetrics • with a length of stay less than or equal to 120 days that ends during the measurement period
Denominator	The denominator criteria are the same as the initial population
Denominator Exclusions	The denominator exclusions criteria identify a subset of the denominator population by excluding patient encounters with any of the following: • length of stay less than 2 days • comfort measures documented anytime between the day of arrival and the day after hospital admission • comfort measures documented by the day after surgery end date for surgeries that start the day of or the day after hospital admission • 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 • a principal diagnosis of mental disorders or stroke • a principal procedure of Surgical Care Improvement Project (SCIP) VTE selected surgeries

**This flow diagram represents an overview of population criteria requirements. Please refer to the eCQM measure specification for a complete list of definitions, direct reference codes, data or timing elements included in this measure and required for submission.*

Measure Flow Narrative (Continued)

The measure flow diagram on the preceding pages illustrates the steps to determine the population criteria for this measure.

Numerator	The numerator criteria identify a subset of the denominator population (that did not meet the denominator exclusions criteria) by including inpatient hospitalizations with: **Patients who received VTE prophylaxis:** • the day of or the day after hospital admission • or the day of or the day after surgery end date (for surgeries that end the day of or the day after hospital admission) **OR** **Patients who have documentation of a reason why no VTE prophylaxis was given:** • between 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)