2020 eCQM Flow – **CMS190v8: Intensive Care Unit Venous Thromboembolism Prophylaxis (VTE-2)***

**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

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Measure Flow Diagram (Continued)

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Measure Flow Diagram (Continued)

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Measure Flow Diagram (Continued)

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Measure Flow Diagram (Continued)

Sample Calculation
Performance Rate = $\frac{\text{Numerator (c1 +c2+c3+c4+c5 = 50)}}{\text{Denominator (a = 100) - Denominator Exclusions (b1+b2+b3+b4 = 20) – Denominator Exceptions (d = 20)}}$ = 83%

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Measure Flow Diagram (Additional Details)

2020 eCQM Flow – **CMS190v8: Intensive Care Unit Venous Thromboembolism Prophylaxis (VTE-2)***

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Measure Flow Diagram (Additional Details)

2020 eCQM Flow – **CMS190v8: Intensive Care Unit Venous Thromboembolism Prophylaxis (VTE-2)***

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Measure Flow Diagram (Additional Details)

Numerator

Patients who have a documented reason why no VTE prophylaxis was given:

"Encounter With No VTE Prophylaxis Due to Medical Reason" (c4)

"Encounter With ICU Location"

WITH
"No VTE Prophylaxis Medication Administered or Ordered"
["Medication, Not Administered": **OR** "Medication, Not Ordered":
"LOW DOSE UNFRACTIONATED HEPARIN FOR VTE PROPHYLAXIS"] **OR**
"LOW MOLECULAR WEIGHT HEPARIN FOR VTE PROPHYLAXIS"] **OR**
"INJECTABLE FACTOR XA INHIBITOR FOR VTE PROPHYLAXIS"] **OR**
"WARFARIN"]

AND
"No VTE Prophylaxis Device Applied or Ordered"
["Device, Not Applied": **OR** "Device, Not Ordered":
"INTERMITTENT PNEUMATIC COMPRESSION DEVICES (IPC)"] **OR**
"VENOUS FOOT PUMPS (VFP)"] **OR**
"GRADUATED COMPRESSION STOCKINGS (GCS)"]

WHERE
(Negation Rationale)
"MEDICAL REASON"

(above definitions contained within)
"No VTE Prophylaxis Medication Due to Medical Reason From Day Of Start of Hospitalization To Day After First ICU Stay" AND
"No VTE Prophylaxis Device Due to Medical Reason From Day Of Start of Hospitalization To Day After First ICU Stay"
From Day Of Start of Hospitalization To Day After First ICU stay
OR
"No VTE Prophylaxis Medication Due to Medical Reason on Day of or Day After Procedure" AND
"No VTE Prophylaxis Device Due to Medical Reason on Day of or Day After Procedure"
starts Calendar Day of or Day After
end of ["Procedure, Performed": "GENERAL OR NEURAXIAL ANESTHESIA"] ends 1 day after day of
Start of First (ICU) intensive care unit location period

2020 eCQM Flow – **CMS190v8: Intensive Care Unit Venous Thromboembolism Prophylaxis (VTE-2)***

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Measure Flow Diagram (Additional Details)

Numerator

Patients who have a documented reason why no VTE prophylaxis was given:

"Encounter With No VTE Prophylaxis Due to Patient Refusal" (c5)

"Encounter With ICU Location"

WITH
"No VTE Prophylaxis Medication or Device Due to Patient Refusal"
"No VTE Prophylaxis Medication Administered or Ordered"
["Medication, Not Administered": **OR** "Medication, Not Ordered":
"LOW DOSE UNFRACTIONATED HEPARIN FOR VTE PROPHYLAXIS"] **OR**
"LOW MOLECULAR WEIGHT HEPARIN FOR VTE PROPHYLAXIS"] **OR**
"INJECTABLE FACTOR XA INHIBITOR FOR VTE PROPHYLAXIS"] **OR**
"WARFARIN"]
OR
"No VTE Prophylaxis Device Applied or Ordered"
["Device, Not Applied": **OR** "Device, Not Ordered":
"INTERMITTENT PNEUMATIC COMPRESSION DEVICES (IPC)"] **OR**
"VENOUS FOOT PUMPS (VFP)"] **OR**
"GRADUATED COMPRESSION STOCKINGS (GCS)"]

WHERE
(Negation Rationale)
"PATIENT REFUSAL"

(above definitions contained within)
"No VTE Prophylaxis Due to Patient Refusal From Day Of Start of Hospitalization To Day After First ICU Stay"
From Day Of Start of Hospitalization To Day After First ICU stay
OR
"No VTE Prophylaxis Due to Patient Refusal on Day of or Day After Procedure"
starts Calendar Day of or Day After
end of ["Procedure, Performed": "GENERAL OR NEURAXIAL ANESTHESIA"] ends 1 day after day of
Start of First (ICU) intensive care unit location period

2020 eCQM Flow – **CMS190v8: Intensive Care Unit Venous Thromboembolism Prophylaxis (VTE-2)***

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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 the initial admission (or transfer) to the Intensive Care Unit (ICU) or surgery end date for surgeries that start the day of or the day after ICU admission (or transfer)
Initial Population	Start by identifying inpatient hospitalizations that include: • patients age 18 years 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 further constrains the initial population to those inpatient hospitalizations for patients directly admitted or transferred to ICU during the hospitalization
Denominator Exclusions	The denominator exclusions criteria is used to identify a subset of the denominator population by excluding inpatient hospitalizations for patients with any of the following: • hospital length of stay less than 2 days • comfort measures documented anytime between the day of arrival and the day after ICU admission or transfer • comfort measures documented by the day after surgery end date for surgeries that end the day of or the day after hospital admission • a principal procedure of Surgical Care Improvement Project (SCIP) VTE selected surgeries that end the day of or the day after ICU admission or transfer

**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:** • on the day of or the day after ICU admission (or transfer) • or the day of or the day after surgery end date for surgeries that end the day of or the day after ICU admission (or transfer) **OR** **Patients who have documentation of a reason why no VTE prophylaxis was given:** • between the day of arrival and the day after ICU admission (for patients directly admitted as inpatients to the ICU) • or the day of or the day after surgery end date for surgeries that end the day of or the day after ICU admission (or transfer)
Denominator Exceptions	Denominator exceptions identify inpatient hospitalizations for patients from the denominator, that did not meet the denominator exclusions or numerator population criteria, with an ICU length of stay less than one day