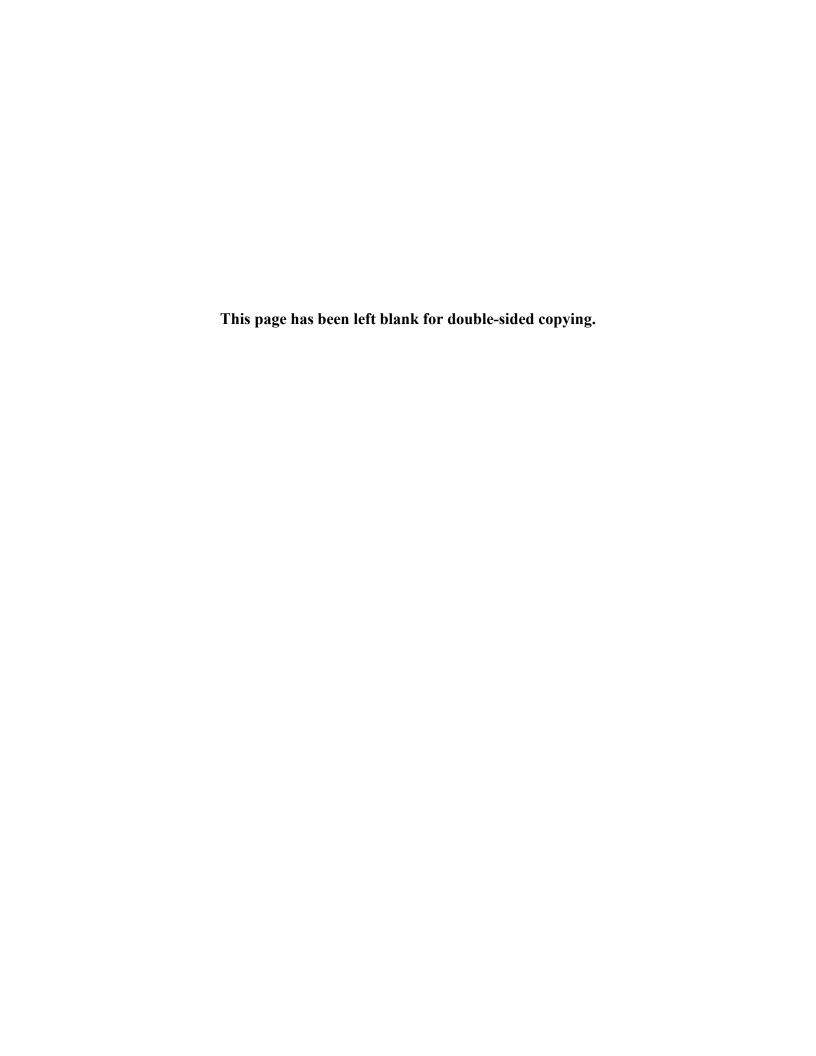
Technical Release Notes: 2020 Reporting Period Electronic Clinical Quality Measures (eCQMs) for Eligible Hospitals and Critical Access Hospitals



CMS9v8 - Exclusive Breast Milk Feeding

Updated eCQM version number. Header Updated copyright. Header Updated references to align with American Psychological Association (APA) style. Header Updated initial population statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated denominator exclusion statement to include transfers to other health care facility. Header Updated denominator exclusion statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated denominator exclusion statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patients' instead of 'Patient with' a o align with measure intent since measure is encounter-based not patients' instead of 'Patient with' a o align with measure intent since measure is encounter-based not patients' instead of 'Patient with' Header Updated parenthetical citations to align with American Psychological Association (APA) style. Header Removed the 'Single Live Birth Diagnosis' datatype to remove redundancy and align with Quality Data Model Logic Updated discharge disposition 'Other Health Care Facility' to align with the chart-abstracted measure. Logic Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with CQL Style Guide. Updated TJC_Overall Library version number (TJC_Overall-3.6.000). Logic Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Logic Updated definitions and functions in the Measure Authoring Tool (MAT) Global Common Functions Library to Logic Updated definitions and functions in the Measure Authoring Tool (MAT) Global Common Functions Library to Logic Updated Version number of the Measure Authoring Tool (MAT) Global Common Functions Libr	eCQM Version number NQF Number Copyright Reference Reference Initial Population Denominator Exclusions Denominator Exclusions Numerator Multiple Sections Initial Population Denominator Exclusions Multiple Sections Multiple Sections Multiple Sections Multiple Sections Multiple Sections Multiple Sections	Annual Update Standards Update Annual Update Measure Lead Standards Update
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MATGlobalCommonFunctions-4.0.000).		
•	Multiple Sections	Standards Update
/alue set Dietary Intake Other than Breast Milk (2.16.840.1.113883.3.117.1.7.1.27): Added 29 SNOMED CT Value Set	Terminology	Annual Update
rodes.		
/alue set Breast Milk (2.16.840.1.113883.3.117.1.7.1.30): Added 2 SNOMED CT codes (226790003, Value Set	Terminology	Annual Update
33875002).		
/alue set Galactosemia (2.16.840.1.113883.3.117.1.7.1.35): Added 5 SNOMED CT codes (124354006, Value Set	Terminology	Annual Update
237963003, 297237003, 297238008, 8849004).		
/alue set Estimated Gestational Age at Birth (2.16.840.1.113762.1.4.1045.47): Removed Estimated Value Set	Terminology	Annual Update
Gestational Age at Birth.		
Created Neonatal Intensive Care Unit (NICU) (2.16.840.1.113762.1.4.1029.203) value set with two HSLOC Value Set	Terminology	Measure Lead
odes (1039-7 and 1040-5).		
Created Neonatal Intensive Care Unit (NICU) (2.16.840.1.113762.1.4.1029.205) grouping value set that Value Set	Terminology	Measure Lead
ncludes HSLOC and SNOMED CT extensional value sets (2.16.840.1.113762.1.4.1029.203 and		
2.16.840.1.113883.3.117.1.7.1.75).		
/alue set Other Health Care Facility (2.16.840.1.113762.1.4.1029.67): Added Other Health Care Facility. Value Set		Measure Lead
Direct reference code for Gestational ageat birth (LOINC Code (76516-4)) now displayed in Human Readable. Value Set	Terminology	Measure Lead

CMS9v8 - Exclusive Breast Milk Feeding

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Standardized purpose statement language in value sets across eCQMs. Value set purpose statements are	Value Set	Terminology	Measure Lead
visible in the Value Set Authority Center (VSAC) as well as the downloadable eCQM value set files.			

CMS71v9 - Anticoagulation Therapy for Atrial Fibrillation/Flutter

Updated eCQM version number. Header eCQM Version number. Annual Update Updated copyright. Header Copyright Annual Update Updated references to align with American Psychological Association (APA) style. Header Reference Measure Lead Updated references. Header Reference Measure Lead Updated guidance statement to correct grammatical errors. Header Guidance Measure Lead Updated initial population statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated denominator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated denominator exclusion statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated denominator exclusion statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated denominator exclusion statement to align with logic. Header Denominator Exclusions Measure Lead Updated numerator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated denominator exclusion statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated parenthetical citations to align with American Psychological Association (APA) style. Header Denominator Exclusions Measure Lead Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated parenthetical citations to align with American Psychological Association (APA) style. Header Multiple Sections Measure Lead Poenominator E
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Updated denominator exclusion statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated denominator exclusion statement to align with logic. Updated numerator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated denominator exceptions statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated parenthetical citations to align with American Psychological Association (APA) style. Updated parenthetical citations to align with new function 'Global.Hospitalization with Observation' to capture assessments performed during observation status prior to inpatient admission. Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification Logic Definitions and Functions Standards Update
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Updated denominator exclusion statement to align with logic. Updated numerator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated denominator exceptions statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated parenthetical citations to align with American Psychological Association (APA) style. Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture assessments performed during observation status prior to inpatient admission. Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with CQL Style Guide. Header Denominator Exclusions Measure Lead Multiple Sections Measure Lead Multiple Sections ONC Project Tracking System (JIRA): CQM-2835 Standards Update
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Updated denominator exceptions statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated parenthetical citations to align with American Psychological Association (APA) style. Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture assessments performed during observation status prior to inpatient admission. Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with CQL Style Guide. Denominator Exceptions Measure Lead Multiple Sections Denominator Exceptions Measure Lead ONC Project Tracking System (JIRA): CQM-2835 Standards Update
'Patient with' to align with measure intent since measure is encounter-based not patient-based. Updated parenthetical citations to align with American Psychological Association (APA) style. Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture assessments performed during observation status prior to inpatient admission. Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with CQL Style Guide. Header Multiple Sections Denominator Exclusions (JIRA): CQM-2835 Standards Update
Updated parenthetical citations to align with American Psychological Association (APA) style. Header Multiple Sections Measure Lead Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture Logic Denominator Exclusions assessments performed during observation status prior to inpatient admission. Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with CQL Style Guide. Header Multiple Sections Measure Lead ONC Project Tracking System (JIRA): CQM-2835 Standards Update
Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture assessments performed during observation status prior to inpatient admission. Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with CQL Style Guide. Denominator Exclusions (JIRA): CQM-2835 Standards Update Standards Update
assessments performed during observation status prior to inpatient admission. Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification Logic Definitions and Functions Standards Update and to align with CQL Style Guide.
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification Logic Definitions and Functions Standards Update and to align with CQL Style Guide.
and to align with CQL Style Guide.
Updated TJC_Overall Library version number (TJC_Overall-3.6.000). Logic Multiple Sections Measure Lead
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Logic Multiple Sections Standards Update
Language Specification, Release 1 STU 3 (CQL 1.3).
Updated definitions and functions in the Measure Authoring Tool (MAT) Global Common Functions Library to Logic Multiple Sections Standards Update
align with standards changes, Clinical Quality Language (CQL) Style Guide, and to include two new functions
related to calculating hospital stays.
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library Logic Multiple Sections Standards Update
(MATGlobalCommonFunctions-4.0.000).
Value set Anticoagulant Therapy (2.16.840.1.113883.3.117.1.7.1.200): Added 1 RxNorm code (1992427) and Value Set Terminology Annual Update
deleted 1 RxNorm code (978738).
Value set Atrial Fibrillation/Flutter (2.16.840.1.113883.3.117.1.7.1.202): Added 5 SNOMED CT codes Value Set Terminology Annual Update
(120041000119109, 15964901000119107, 706923002, 715395008, 720448006).
Value set Atrial Ablation (2.16.840.1.113883.3.117.1.7.1.203): Added 8 SNOMED CT codes (233159005, Value Set Terminology Annual Update
233160000, 233161001, 233162008, 233163003, 440619008, 473229000, 707832008).
Value set Observation Services (2.16.840.1.113762.1.4.1111.143): Added Observation Services. Value Set Terminology Annual Update
Value set Comfort Measures (1.3.6.1.4.1.33895.1.3.0.45): Changed Exclusion Criteria description from 'None' Value Set Terminology ONC Project Tracking System
to 'Palliative Care' for clarity and to align with chart-abstracted measures.
Direct reference code for Birth date (LOINC Code (21112-8)) now displayed in Human Readable. Value Set Terminology Annual Update
Standardized purpose statement language in value sets across eCQMs. Value set purpose statements are Value Set Terminology Measure Lead
visible in the Value Set Authority Center (VSAC) as well as the downloadable eCQM value set files.

CMS72v8 - Antithrombotic Therapy By End of Hospital Day 2

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM version number.	Header	eCQM Version number	Annual Update
Updated copyright.	Header	Copyright	Annual Update
Updated references to align with American Psychological Association (APA) style.	Header	Reference	Measure Lead
Updated references.	Header	Reference	Measure Lead
Updated guidance statement to correct grammatical errors.	Header	Guidance	Measure Lead
Updated initial population statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient	Header	Initial Population	Measure Lead
with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient	Header	Denominator	Measure Lead
with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator statement to correct grammatical errors.	Header	Denominator	Measure Lead
Updated denominator exclusions statement with missing text and corrected grammatical errors.	Header	Denominator Exclusions	Measure Lead
Updated denominator exclusions statement to begin with 'Inpatient Hospitalizations for patients' instead of	Header	Denominator Exclusions	Measure Lead
'Patient with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator exclusions statement with 'Inpatient hospitalization for patients with an INR greater	Header	Denominator Exclusions	ONC Project Tracking System
than 3.5' to better align with chart-abstracted measure.			(JIRA): CQM-2961
Updated numerator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with'	Header	Numerator	Measure Lead
to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator exceptions statement to include patients who receive Ticagrelor during the	Header	Denominator Exceptions	Measure Lead
hospitalization, to align with the chart-abstracted measure.		·	
Updated parenthetical citations to align with American Psychological Association (APA) style.	Header	Multiple Sections	Measure Lead
Added a union operator and logic to capture denominator exclusion for patients with an INR greater than 3.5.	Logic	Denominator Exclusions	ONC Project Tracking System
	· ·		(JIRA): CQM-2961
Added definition title 'Encounter With Thrombolytic Therapy Documented As Already As Given' to improve	Logic	Denominator Exclusions	ONC Project Tracking System
data flow of the measure.	_		(JIRA): CQM-2981
Added 'Encounter With An INR Greater Than 3.5' to better align with chart-abstracted measure.	Logic	Denominator Exclusions	ONC Project Tracking System
·	· ·		(JIRA): CQM-2961
Added logic to capture encounters where t-PA was administered prior to arrival using diagnosis as an attribute	Logic	Denominator Exclusions	ONC Project Tracking System
of the encounter or as a diagnosis datatype to improve the logic and data flow of the measure.	· ·		(JIRA): CQM-3279
Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture	Logic	Denominator Exclusions	ONC Project Tracking System
assessments performed during observation status prior to inpatient admission.	· ·		(JIRA): CQM-2835
Replaced '1 day or less on or after day of start of Global.'Hospitalization'(IschemicStrokeEncounter) with '	Logic	Denominator Exclusions	Measure Lead
'during TJC.CalendarDayOfDayAfter' start of Global.'Hospitalization with Observation'. RelevantPeriod)' to	· ·		
improve timing functionality and alignment with measure intent.			
Replaced the Global 'Hospitalization Length of Stay' function with the TJC	Logic	Denominator Exclusions	Expert Work Group Review
'HospitalizationWithObservationLengthOfStay' function to include observation status within the measure	- 6		para a sapera
calculation and improve alignment with measure intent.			
Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture	Logic	Numerator	ONC Project Tracking System
assessments performed during observation status prior to inpatient admission.	- 0 -		(JIRA): CQM-2835
Replaced '1 day or less on or after day of start of Global.'Hospitalization'(IschemicStrokeEncounter) with '	Logic	Numerator	Measure Lead
'during TJC.CalendarDayOfDayAfter' start of Global.'Hospitalization with Observation'. RelevantPeriod)' to	- 0 -		-
improve timing functionality and alignment with measure intent.			
improve timing functionality and alignment with measure intent.			

CMS72v8 - Antithrombotic Therapy By End of Hospital Day 2

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Added a union operator and logic to capture denominator exceptions for patients receiving Ticagrelor to	Logic	Denominator Exceptions	Measure Lead
improve alignment with the chart-abstracted measure.			
Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture	Logic	Denominator Exceptions	ONC Project Tracking System
assessments performed during observation status prior to inpatient admission.			(JIRA): CQM-2835
Replaced '1 day or less on or after day of start of Global.'Hospitalization'(IschemicStrokeEncounter) with '	Logic	Denominator Exceptions	Measure Lead
'during TJC.CalendarDayOfDayAfter' start of Global.'Hospitalization with Observation'. RelevantPeriod)' to			
improve timing functionality and alignment with measure intent.			
Added 'Encounter With Ticagrelor Therapy' to improve alignment with the chart-abstracted measure.	Logic	Definitions	Measure Lead
Added TJC.CalendarDayOfDayAfterCalendarDayOfOrDayAfter for consistency across measures.	Logic	Functions	Measure Lead
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification	Logic	Definitions and Functions	Standards Update
and to align with CQL Style Guide.			
Update to TJC_Overall Library version number (TJC_Overall-3.6.000).	Logic	Multiple Sections	Measure Lead
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality	Logic	Multiple Sections	Standards Update
Language Specification, Release 1 STU 3 (CQL 1.3).			
Updated definitions and functions in the Measure Authoring Tool (MAT) Global Common Functions Library to	Logic	Multiple Sections	Standards Update
align with standards changes, Clinical Quality Language (CQL) Style Guide, and to include two new functions			
related to calculating hospital stays.			
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library	Logic	Multiple Sections	Standards Update
(MATGlobalCommonFunctions-4.0.000).			
Value set Antithrombotic Therapy (2.16.840.1.113883.3.117.1.7.1.201): Added 3 RxNorm codes (1549682,	Value Set	Terminology	Annual Update
1730187, 1992427) and deleted 4 RxNorm codes (1536670, 806446, 853499, 978738).			
Value set Observation Services (2.16.840.1.113762.1.4.1111.143): Added Observation Services.	Value Set	Terminology	Annual Update
Value set INR (2.16.840.1.113883.3.117.1.7.1.213): Added INR.	Value Set	Value Set Terminology	ONC Project Tracking System
			(JIRA): CQM-2961
Value set Intravenous or Intra-arterial Thrombolytic (t-PA) Therapy (2.16.840.1.113762.1.4.1045.21):	Value Set	Terminology	ONC Project Tracking System
Removed grouping.			(JIRA): CQM-2981
Value set Intravenous or Intra arterial Thrombolytic (tPA) Therapy Prior to Arrival	Value Set	Terminology	ONC Project Tracking System
(2.16.840.1.113762.1.4.1110.21): New value set with 1 ICD-10-CM code (Z92.82) to capture administration of			(JIRA): CQM-2981
intravenous or intra-arterial thrombolytic (t-PA) therapy of within 24 hours prior to admission.			
Value set Ticagrelor Therapy (2.16.840.1.113762.1.4.1110.39): New value set with 2 RxNorm codes.	Value Set	Terminology	Measure Lead
Value set Comfort Measures (1.3.6.1.4.1.33895.1.3.0.45): Changed Exclusion Criteria description from 'None'	Value Set	Terminology	ONC Project Tracking System
to 'Palliative Care' for clarity and to align with chart-abstracted measures.			(JIRA): CQM-3396
Direct reference code for Birth date (LOINC Code (21112-8)) now displayed in Human Readable.	Value Set	Terminology	Annual Update
Standardized purpose statement language in value sets across eCQMs. Value set purpose statements are	Value Set	Terminology	Measure Lead
visible in the Value Set Authority Center (VSAC) as well as the downloadable eCQM value set files.			

CMS104v8 - Discharged on Antithrombotic Therapy

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM version number.	Header	eCQM Version number	Annual Update
Updated copyright.	Header	Copyright	Annual Update
Updated references to align with American Psychological Association (APA) style.	Header	Reference	Measure Lead
Updated references.	Header	Reference	Measure Lead
Updated guidance statement to correct grammatical errors.	Header	Guidance	Measure Lead
Updated initial population statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient	Header	Initial Population	Measure Lead
with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient	Header	Denominator	Measure Lead
with' to align with measure intent since measure is encounter-based not patient-based.			
Revised denominator statement to correct grammatical errors.	Header	Denominator	Measure Lead
Updated denominator exclusions statement to begin with 'Inpatient Hospitalizations for patients' instead of	Header	Denominator Exclusions	Measure Lead
'Patient with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator exclusion statement to align with logic.	Header	Denominator Exclusions	Measure Lead
Updated numerator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with'	Header	Numerator	Measure Lead
to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator exceptions statement to include patients who receive Ticagrelor during the	Header	Denominator Exceptions	Measure Lead
hospitalization, to align with the chart-abstracted measure.			
Updated parenthetical citations to align with American Psychological Association (APA) style.	Header	Multiple Sections	Measure Lead
Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture	Logic	Denominator Exclusions	ONC Project Tracking System
assessments performed during observation status prior to inpatient admission.			(JIRA): CQM-2835
Added a union operator and logic to capture denominator exceptions for patients receiving Ticagrelor to	Logic	Denominator Exceptions	Measure Lead
improve alignment with the chart-abstracted measure.			
Added definition title of 'Encounter With No Antithrombotic At Discharge' to pre-existing logic to align with	Logic	Denominator Exceptions	Measure Lead
CQL style guide.			
Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture	Logic	Denominator Exceptions	ONC Project Tracking System
assessments performed during observation status prior to inpatient admission.			(JIRA): CQM-2835
Added 'Encounter With Ticagrelor During Hospitalization' to improve alignment with the chart-abstracted	Logic	Definitions	Measure Lead
measure.			
Updated definition name from TJC.'Ischemic Stroke Encounters with Discharge Status' to TJC.'Ischemic Stroke	Logic	Definitions	Measure Lead
Encounters with Discharge Disposition' to align with measure intent.			
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification	Logic	Definitions and Functions	Standards Update
and to align with CQL Style Guide.			
Update to TJC_Overall Library version number (TJC_Overall-3.6.000).	Logic	Multiple Sections	Measure Lead
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality	Logic	Multiple Sections	Standards Update
Language Specification, Release 1 STU 3 (CQL 1.3).	-	-	-
Updated definitions and functions in the Measure Authoring Tool (MAT) Global Common Functions Library to	Logic	Multiple Sections	Standards Update
align with standards changes, Clinical Quality Language (CQL) Style Guide, and to include two new functions			
related to calculating hospital stays.			
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library	Logic	Multiple Sections	Standards Update
(MATGlobalCommonFunctions-4.0.000).	-	•	•

CMS104v8 - Discharged on Antithrombotic Therapy

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Antithrombotic Therapy (2.16.840.1.113883.3.117.1.7.1.201): Added 3 RxNorm codes (1549682,	Value Set	Terminology	Annual Update
1730187, 1992427) and deleted 4 RxNorm codes (1536670, 806446, 853499, 978738).			
Value set Observation Services (2.16.840.1.113762.1.4.1111.143): Added Observation Services.	Value Set	Terminology	Annual Update
Value set Ticagrelor Therapy (2.16.840.1.113762.1.4.1110.39): New value set with 2 RxNorm codes.	Value Set	Terminology	Measure Lead
Value set Comfort Measures (1.3.6.1.4.1.33895.1.3.0.45): Changed Exclusion Criteria description from 'None'	Value Set	Terminology	ONC Project Tracking System
to 'Palliative Care' for clarity and to align with chart-abstracted measures.			(JIRA): CQM-3396
Direct reference code for Birth date (LOINC Code (21112-8)) now displayed in Human Readable.	Value Set	Terminology	Annual Update
Standardized purpose statement language in value sets across eCQMs. Value set purpose statements are	Value Set	Terminology	Measure Lead
visible in the Value Set Authority Center (VSAC) as well as the downloadable eCQM value set files.			

CMS105v8 - Discharged on Statin Medication

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM version number.	Header	eCQM Version number	Annual Update
Updated copyright.	Header	Copyright	Annual Update
Updated references to align with American Psychological Association (APA) style.	Header	Reference	Measure Lead
Updated references.	Header	Reference	Measure Lead
Updated guidance statement to correct grammatical errors.	Header	Guidance	Measure Lead
Updated initial population statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient	Header	Initial Population	Measure Lead
with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient	Header	Denominator	Measure Lead
with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator exclusion statement to align with logic.	Header	Denominator Exclusions	Measure Lead
Updated denominator exclusions statement to begin with 'Inpatient Hospitalizations for patients' instead of	Header	Denominator Exclusions	Measure Lead
'Patient with' to align with measure intent since measure is encounter-based not patient-based.			
Updated numerator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with'	Header	Numerator	Measure Lead
to align with measure intent since measure is encounter-based not patient-based.			
Added to denominator exceptions statin allergy to align with logic.	Header	Denominator Exceptions	Measure Lead
Updated denominator exceptions statement to begin with 'Inpatient Hospitalizations for patients' instead of	Header	Denominator Exceptions	Measure Lead
'Patient with' to align with measure intent since measure is encounter-based not patient-based.			
Updated parenthetical citations to align with American Psychological Association (APA) style.	Header	Multiple Sections	Measure Lead
Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture	Logic	Denominator Exclusions	ONC Project Tracking System
assessments performed during observation status prior to inpatient admission.			(JIRA): CQM-2835
Replaced extensional Statin Allergen (OID 2.16.840.1.113883.3.117.1.7.1.423) with Statin Allergen grouping	Logic	Denominator Exceptions	ONC Project Tracking System
(OID 2.16.840.1.113762.1.4.1110.42) to align with terminology updates that capture medication class			(JIRA): CQM-1798
allergens.			
Updated definition name from TJC.'Ischemic Stroke Encounters with Discharge Status' to TJC.'Ischemic Stroke	Logic	Definitions	Measure Lead
Encounters with Discharge Disposition' to align with measure intent.			
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification	Logic	Definitions and Functions	Standards Update
and to align with CQL Style Guide.			
Updated TJC_Overall Library version number (TJC_Overall-3.6.000).	Logic	Multiple Sections	Measure Lead
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality	Logic	Multiple Sections	Standards Update
Language Specification, Release 1 STU 3 (CQL 1.3).			
Updated definitions and functions in the Measure Authoring Tool (MAT) Global Common Functions Library to	Logic	Multiple Sections	Standards Update
align with standards changes, Clinical Quality Language (CQL) Style Guide, and to include two new functions			
related to calculating hospital stays.			
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library	Logic	Multiple Sections	Standards Update
(MATGlobalCommonFunctions-4.0.000).			
Value set LDL-c (2.16.840.1.113883.3.117.1.7.1.215): Added 8 LOINC codes (90364-1, 91105-7, 91106-5,	Value Set	Terminology	Annual Update
91107-3, 91108-1, 91109-9, 91110-7, 91111-5).			
91107-3, 91108-1, 91109-9, 91110-7, 91111-5). Value set Statin Grouper (2.16.840.1.113762.1.4.1110.19): Added 2 RxNorm codes (1790679, 1944264).	Value Set	Terminology	Annual Update

CMS105v8 - Discharged on Statin Medication

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Statin Allergen (2.16.840.1.113762.1.4.1110.42): Added new grouping value set with 7 RxNorm	Value Set	Terminology	ONC Project Tracking System
codes (extensional value set 2.16.840.1.113883.3.117.1.7.1.423) and 1 SNOMED CT code (extensional value			(JIRA): CQM-1798
set 2.16.840.1.113762.1.4.1110.41).			
Value set Comfort Measures (1.3.6.1.4.1.33895.1.3.0.45): Changed Exclusion Criteria description from 'None'	Value Set	Terminology	ONC Project Tracking System
to 'Palliative Care' for clarity and to align with chart-abstracted measures.			(JIRA): CQM-3396
Direct reference code for Birth date (LOINC Code (21112-8)) now displayed in Human Readable.	Value Set	Terminology	Annual Update
Standardized purpose statement language in value sets across eCQMs. Value set purpose statements are	Value Set	Terminology	Measure Lead
visible in the Value Set Authority Center (VSAC) as well as the downloadable eCQM value set files.			

CMS108v8 - Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM version number.	Header	eCQM Version number	Standards Update
Updated NQF number to 'Not Applicable.'	Header	NQF Number	Standards Update
Updated endorsed by field to 'None.'	Header	Endorsed By	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated references to align with American Psychological Association (APA) style.	Header	Reference	Measure Lead
Updated initial population statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient	Header	Initial Population	Measure Lead
with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient	Header	Denominator	Measure Lead
with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator exclusions statement to begin with 'Inpatient Hospitalizations for patients' instead of	Header	Denominator Exclusions	Measure Lead
'Patient with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator exclusions statement to align with logic changes to capture patients with comfort	Header	Denominator Exclusions	Measure Lead
measure documented between the day of arrival and the day after hospital admission.			
Updated denominator exclusions statement 'Patients with comfort measures documented anytime between	Header	Denominator Exclusions	Measure Lead
arrival and the day after hospital admission' to indicate comfort measures documented anytime between 'the			
day of arrival and the day after hospital admission' to align with logic changes.			
Updated numerator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with'	Header	Numerator	Measure Lead
to align with measure intent since measure is encounter-based not patient-based.			
Revised numerator statement to align with logic changes to capture patients with documentation reasons for	Header	Numerator	Measure Lead
not receiving VTE prophylaxis between the day of arrival and the day after hospital admission.			
Updated parenthetical citations to align with American Psychological Association (APA) style.	Header	Multiple Sections	Measure Lead
Removed the diagnosis datatypes for 'Obstetrics', 'Venous Thromboembolism', and 'Obstetrics VTE' to remove	Logic	Initial Population	Measure Lead
redundancy and align with Quality Data Model (QDM) v5.4 changes.			
Replaced function VTEICU.'CalendarDayOfOrDayAfter'() with TJC.'CalendarDayOfOrDayAfter'() to indicate the	Logic	Denominator Exclusions	Measure Lead
change in the local library location.			
Added Interval[start of QualifyingEncounter.relevantPeriod, Global.'ToDate'(start of	Logic	Denominator Exclusions	Measure Lead
QualifyingEncounter.relevantPeriod + 2 days)) in Definition 'Encounter With ICU Location Stay 1 Day or More'			
to align with measure intent to capture patients who were administered VTE prophylaxis on the same date			
but prior to hospital admission time.			
Replaced timing interval '1 day or less on or after day of start of Global. 'Hospitalization' with 'during	Logic	Denominator Exclusions	Measure Lead
'FromDayOfStartOfHospitalizationToDayAfterAdmission" in the 'Encounter With Intervention Comfort			
Measures From Day of Start of Hospitalization To Day After Admission' definition to capture all timing			
conditions between the day of arrival and the day after hospital admission.			
Added a parenthesis around the last union clause of the 'Is In Low Risk for VTE or On Anticoagulant' definition	Logic	Numerator	ONC Project Tracking System
statement to properly group all medications.			(JIRA): CQM-3259
Replaced function VTEICU.'CalendarDayOfOrDayAfter'() with TJC.'CalendarDayOfOrDayAfter'() to indicate the	Logic	Numerator	Measure Lead
change in the local library location.	-		
Added Interval[start of QualifyingEncounter.relevantPeriod, Global.'ToDate'(start of	Logic	Numerator	Measure Lead
QualifyingEncounter.relevantPeriod + 2 days)) in Definition 'Encounter With ICU Location Stay 1 Day or More'	-		
to align with measure intent to capture patients who were administered VTE prophylaxis on the same date			
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CMS108v8 - Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Replaced the 'from/where' return clause with 'with/such that' in the 'VTE Prophylaxis Received on Day of or	Logic	Definitions	Measure Lead
Day After Admission or Procedure' and 'Medication Oral Factor Xa Inhibitor Administered on Day of or Day			
After Admission or Procedure' definitions to simplify the expression and align with CQL specifications.			
Changed the 'Intervention Comfort Measures on Day of or Day After Procedure' where clause from '1 day or	Logic	Definitions	Measure Lead
less on or after day of' to 'during TJC.CalendarDayOfOrDayAfter' to align with other logic changes to better			
capture the measure intent.			
Replaced definitions 'Low Risk for VTE or Anticoagulant Administered During ED Visit' and 'Low Risk for VTE or	Logic	Definitions	Measure Lead
Anticoagulant Administered on Day of or Day After Admission' with 'Low Risk for VTE or Anticoagulant			
Administered From Day of Start of Hospitalization To Day After Admission' to simplify the logic.			
Replaced definitions 'No VTE Prophylaxis Device Due to Medical Reason During ED Visit' and 'No VTE	Logic	Definitions	Measure Lead
Prophylaxis Device Due to Medical Reason on Day of or Day After Admission' with 'No VTE Prophylaxis Device			
Due to Medical Reason From Day of Start of Hospitalization To Day After Admission' to simplify the logic.			
Replaced definitions 'No VTE Prophylaxis Due to Patient Refusal During ED Visit' and 'No VTE Prophylaxis Due	Logic	Definitions	Measure Lead
to Patient Refusal on Day of or Day After Admission' with 'No VTE Prophylaxis Due to Patient Refusal From Day	,		
of Start of Hospitalization To Day After Admission' to simplify the logic.			
Replaced definitions 'No VTE Prophylaxis Medication Due to Medical Reason During ED Visit' and 'No VTE	Logic	Definitions	Measure Lead
Prophylaxis Medication Due to Medical Reason on Day of or Day After Admission' into 'No VTE Prophylaxis			
Medication Due to Medical Reason From Day of Start of Hospitalization To Day After Admission to simplify the			
logic.			
Added Interval[start of QualifyingEncounter.relevantPeriod, Global.'ToDate'(start of	Logic	Definitions	Measure Lead
QualifyingEncounter.relevantPeriod + 2 days)) in Definition 'Encounter With ICU Location Stay 1 Day or More'			
to align with measure intent to capture patients who were administered VTE prophylaxis on the same date			
but prior to hospital admission time.			
Replaced timing interval '1 day or less on or after day of start of Global. Hospitalization" with 'during	Logic	Definitions	Measure Lead
'FromDayOfStartOfHospitalizationToDayAfterAdmission" in the 'Encounter With Intervention Comfort			
Measures From Day of Start of Hospitalization To Day After Admission' definition to capture all timing			
conditions between the day of arrival and the day after hospital admission.			
Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture	Logic	Functions	ONC Project Tracking System
assessments performed during observation status prior to inpatient admission.			(JIRA): CQM-2835
Replaced function VTEICU.ToDate() and function 'To Date'() with function Global.ToDate() to align with tooling	Logic	Functions	Measure Lead
updates and make the logic more efficient.			
Added function 'CalendarDayOfOrDayAfter'() to the TJC local library and removed it from the VTEICU library to	Logic	Functions	Measure Lead
improve harmonization across measures.			
Created function 'FromDayOfStartOfHospitalizationToDayAfterAdmission' to simplify the logic and better align	Logic	Functions	Measure Lead
with measure intent.			
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification	Logic	Definitions and Functions	Standards Update
and to align with CQL Style Guide.			
Updated version number of the VTEICU Library (VTEICU-3.1.000).	Logic	Multiple Sections	Measure Lead
Update to TJC_Overall Library version number (TJC_Overall-3.6.000).	Logic	Multiple Sections	Measure Lead
the first term to the first te			
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality	Logic	Multiple Sections	Standards Update

CMS108v8 - Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated definitions and functions in the Measure Authoring Tool (MAT) Global Common Functions Library to	Logic	Multiple Sections	Standards Update
align with standards changes, Clinical Quality Language (CQL) Style Guide, and to include two new functions			
related to calculating hospital stays.			
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library	Logic	Multiple Sections	Standards Update
(MATGlobalCommonFunctions-4.0.000).			
Value set Oral Factor Xa Inhibitor for VTE Prophylaxis or VTE Treatment (2.16.840.1.113883.3.117.1.7.1.134):	Value Set	Terminology	Annual Update
Added 3 RxNorm codes (1549682, 1992427, 2059015).			
Value set Atrial Fibrillation/Flutter (2.16.840.1.113883.3.117.1.7.1.202): Added 5 SNOMED CT codes	Value Set	Terminology	Annual Update
(120041000119109, 15964901000119107, 706923002, 715395008, 720448006).			
Value set Direct Thrombin Inhibitor (2.16.840.1.113883.3.117.1.7.1.205): Deleted 1 RxNorm code (1798389).	Value Set	Terminology	Annual Update
Value set Low Molecular Weight Heparin for VTE Prophylaxis (2.16.840.1.113883.3.117.1.7.1.219): Deleted 1	Value Set	Terminology	Annual Update
RxNorm code (978738).			
Value set General Surgery (2.16.840.1.113883.3.117.1.7.1.255): Added 1 SNOMED CT code (764677008) and	Value Set	Terminology	Annual Update
deleted 3 SNOMED CT codes (27056009, 274032001, 428784009).			
Value set Obstetrics (2.16.840.1.113883.3.117.1.7.1.263): Added 1 SNOMED CT code (769087009) and	Value Set	Terminology	Annual Update
deleted 7 SNOMED CT codes (111443000, 111444006, 111445007, 199032005, 199033000, 288207006,			
38331001).			
Value set Mental Health Diagnoses (2.16.840.1.113883.3.464.1003.105.12.1004): Deleted 1 SNOMED CT code	Value Set	Terminology	Annual Update
(79578000). Added 3 ICD-10-CM codes (F53.0, F53.1, F68.A).			
Value set Observation Services (2.16.840.1.113762.1.4.1111.143): Added Observation Services.	Value Set	Terminology	Annual Update
Value set Comfort Measures (1.3.6.1.4.1.33895.1.3.0.45): Changed Exclusion Criteria description from 'None'	Value Set	Terminology	ONC Project Tracking System
to 'Palliative Care' for clarity and to align with chart-abstracted measures.			(JIRA): CQM-3396
Created Intensive Care Unit (2.16.840.1.113762.1.4.1029.204) value set with 25 HSLOC codes.	Value Set	Terminology	Measure Lead
Replaced value set Intensive Care Unit (2.16.840.1.113762.1.4.1110.23) with Intensive Care Unit	Value Set	Terminology	Measure Lead
(2.16.840.1.113762.1.4.1029.206) grouping value set that includes HSLOC and SNOMED CT extensional value			
sets (2.16.840.1.113762.1.4.1029.204 and 2.16.840.1.113762.1.4.1110.23).			
Direct reference code for Birth date (LOINC Code (21112-8)) now displayed in Human Readable.	Value Set	Terminology	Annual Update
Removed code system versions from direct reference codes. Please refer to Appendix A of the Electronic	Value Set	Terminology	Standards Update
Clinical Quality Measure Logic and Implementation Guidance document for a list of code system versions used			
in the eCQM specifications for 2020 reporting/performance.			
Standardized purpose statement language in value sets across eCQMs. Value set purpose statements are	Value Set	Terminology	Measure Lead
visible in the Value Set Authority Center (VSAC) as well as the downloadable eCQM value set files.			

CMS111v8 - Median Admit Decision Time to ED Departure Time for Admitted Patients

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM version number.	Header	eCQM Version number	Annual Update
Updated NQF number to 'Not Applicable.'	Header	NQF Number	Standards Update
Updated endorsed by field to 'None.'	Header	Endorsed By	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Replaced 'Encounter' alias with 'EncounterInpatient' to mitigate confusion in define statements.	Logic	Stratification	Measure Lead
Updated references to align with American Psychological Association (APA) style.	Header	Reference	Measure Lead
Updated references.	Header	Reference	Measure Lead
Added definition statement indicating the CMS Certification Number (CCN) is the hospital's identification	Header	Definition	ONC Project Tracking System
number that is used for CMS certification to clarify number to assess.			(JIRA): CQM-3356
Updated guidance section wording related to the decision to admit to align with logic and intent.	Header	Guidance	ONC Project Tracking System
			(JIRA): CQM-3253
Updated initial population statement to include 'unless the ED and inpatient facility share the same CNN' to	Header	Initial Population	ONC Project Tracking System
clarify intent.			(JIRA): CQM-3356
Replaced 'Encounter' alias with 'EncounterInpatient' to mitigate confusion in define statements.	Logic	Initial Population	Measure Lead
Replaced 'Encounter' alias with 'EncounterInpatient' to mitigate confusion in define statements.	Logic	Measure Population Exclusions	Measure Lead
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification	Logic	Definitions and Functions	Standards Update
and to align with CQL Style Guide.			
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality	Logic	Multiple Sections	Standards Update
Language Specification, Release 1 STU 3 (CQL 1.3).			
Updated definitions and functions in the Measure Authoring Tool (MAT) Global Common Functions Library to	Logic	Multiple Sections	Standards Update
align with standards changes, Clinical Quality Language (CQL) Style Guide, and to include two new functions			
related to calculating hospital stays.			
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library	Logic	Multiple Sections	Standards Update
(MATGlobalCommonFunctions-4.0.000).			
Value set Psychiatric/Mental Health Diagnosis (2.16.840.1.113883.3.117.1.7.1.299): Added 3 SNOMED CT	Value Set	Terminology	Annual Update
codes (62792007, 765176007, 766822004) and deleted 11 SNOMED CT codes (191530008, 191538001,			
191615005, 191632009, 192122001, 192523000, 229025005, 280377008, 280378003, 300960003,			
61771000119106).			
Standardized purpose statement language in value sets across eCQMs. Value set purpose statements are	Value Set	Terminology	Measure Lead
visible in the Value Set Authority Center (VSAC) as well as the downloadable eCQM value set files.			

CMS190v8 - Intensive Care Unit Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM version number.	Header	eCQM Version number	Annual Update
Updated NQF number to 'Not Applicable.'	Header	NQF Number	Standards Update
Updated endorsed by field to 'None.'	Header	Endorsed By	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated references to align with American Psychological Association (APA) style.	Header	Reference	Measure Lead
Updated initial population statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient	Header	Initial Population	Measure Lead
with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient	Header	Denominator	Measure Lead
with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator exclusions statement to begin with 'Inpatient Hospitalizations for patients' instead of	Header	Denominator Exclusions	Measure Lead
'Patient with' to align with measure intent since measure is encounter-based not patient-based.			
Updated denominator exclusions statement to align with logic changes to capture patients with	Header	Denominator Exclusions	Measure Lead
documentation of comfort measures between the day of arrival and the day after ICU admission or transfer.			
Updated numerator statement to begin with 'Inpatient Hospitalizations for patients' instead of 'Patient with'	Header	Numerator	Measure Lead
to align with measure intent since measure is encounter-based not patient-based.			
Updated numerator statement bullets under 'Inpatient hospitalizations for patients who have documentation	Header	Numerator	Measure Lead
of a reason why no VTE prophylaxis was given:' for clarity and to improve alignment with measure intent.			
Updated denominator exceptions statement to begin with 'Inpatient Hospitalizations for patients' instead of	Header	Denominator Exceptions	Measure Lead
'Patient with' to align with measure intent since measure is encounter-based not patient-based.			
Updated parenthetical citations to align with American Psychological Association (APA) style.	Header	Multiple Sections	Measure Lead
Removed the diagnosis datatypes for 'Obstetrics', 'Venous Thromboembolism', and 'Obstetrics VTE' to remove	Logic	Initial Population	Measure Lead
redundancy and align with QDM v5.4 changes.			
Replaced local function 'Length In Days'() with Global.'LengthInDays'() to align with tooling updates and	Logic	Initial Population	Measure Lead
improve logic efficiencies.			
Replaced function VTEICU.'CalendarDayOfOrDayAfter'() with TJC.'CalendarDayOfOrDayAfter'() to indicate the	Logic	Denominator Exclusions	Measure Lead
change in the local library location.			
Replaced local function 'Length In Days'() with Global.'LengthInDays'() to align with tooling updates and	Logic	Denominator Exclusions	Measure Lead
improve logic efficiencies.			
Replaced function VTEICU.'CalendarDayOfOrDayAfter'() with TJC.'CalendarDayOfOrDayAfter'() to indicate the	Logic	Numerator	Measure Lead
change in the local library location.			
Added a parenthesis around the last union clause of the 'Is In Low Risk for VTE or On Anticoagulant' definition	Logic	Numerator	ONC Project Tracking System
statement to properly group all medications.			(JIRA): CQM-3259
Replaced ' AnesthesiaProcedure.relevantPeriod ends 1 day after day of start of Global.'First Inpatient	Logic	Numerator	Measure Lead
Intensive Care Unit'(QualifyingEncounterICU).locationPeriod' with 'AnesthesiaProcedure.relevantPeriod			
intensive care only (Quality ingeneounteries). location enough withAnesthesial roccurrence and enough			

CMS190v8 - Intensive Care Unit Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Replaced long repetitive logic expressions with the VTEICU function	Logic	Numerator	Measure Lead
'FromDayOfStartOfHospitalizationToDayAfterFirstICU' in five definitions: 'Encounter With Intervention			
Comfort Measures From Day Of Start of Hospitalization To Day After First ICU Stay', 'Low Risk for VTE or			
Anticoagulant Administered From Day of Start of Hospitalization To Day After First ICU Stay', 'No VTE			
Prophylaxis Device Due to Medical Reason From Day of Start of Hospitalization To Day After First ICU Stay',			
'No VTE Prophylaxis Due to Patient Refusal From Day of Start of Hospitalization To Day After First ICU Stay',			
and 'No VTE Prophylaxis Medication Due to Medical Reason From Day of Start of Hospitalization To Day After			
First ICU Stay'.			
Replaced ' AnesthesiaProcedure.relevantPeriod ends 1 day after day of start of Global.'First Inpatient	Logic	Numerator Exclusions	Measure Lead
Intensive Care Unit'(QualifyingEncounterICU).locationPeriod' with 'AnesthesiaProcedure.relevantPeriod			
ends 1 day after day of VTEICU.'StartOfFirstICU'(QualifyingEncounterICU)' to align with Functions updates.			
Replaced ' AnesthesiaProcedure.relevantPeriod ends 1 day after day of start of Global.'First Inpatient	Logic	Denominator Exceptions	Measure Lead
Intensive Care Unit'(QualifyingEncounterICU).locationPeriod' with 'AnesthesiaProcedure.relevantPeriod	_	·	
ends 1 day after day of VTEICU.'StartOfFirstICU'(QualifyingEncounterICU)' to align with Functions updates.			
Replaced local function 'Length In Days'() with Global. 'LengthInDays'() to align with tooling updates and	Logic	Denominator Exceptions	Measure Lead
improve logic efficiencies.			
Changed six definition names from 'From Start of' to 'From Day Of Start of' to align with logic changes.	Logic	Definitions	Measure Lead
Updated definition names include 'Encounter With Intervention Comfort Measures From Day Of Start of			
Hospitalization To Day After First ICU Stay', 'Low Risk for VTE or Anticoagulant Administered From Day of Start			
of Hospitalization To Day After First ICU Stay', 'No VTE Prophylaxis Medication Due to Medical Reason From			
Day Of Start of Hospitalization To Day After First ICU Stay', 'No VTE Prophylaxis Device Due to Medical Reason			
From Day Of Start of Hospitalization To Day After First ICU Stay', 'No VTE Prophylaxis Due to Patient Refusal			
From Day Of Start of Hospitalization To Day After First ICU Stay', and 'Low Risk for VTE or Anticoagulant			
Administered From Day of Start of Hospitalization To Day After First ICU Stay'.			
Replaced 'Global.Hospitalization' with new function 'Global.Hospitalization with Observation' to capture	Logic	Functions	ONC Project Tracking System
assessments performed during observation status prior to inpatient admission.			(JIRA): CQM-2835
Replaced function VTEICU.ToDate() and function 'To Date'() with function Global.ToDate() to align with tooling	Logic	Functions	Measure Lead
updates and make the logic more efficient.			
Replaced local function 'Day of or Day After' with TJC.'CalendarDayOfOrDayAfter'() to capture all eligible	Logic	Functions	Measure Lead
same date events regardless of time stamps.			
Replaced timing interval '1 day or less on or after day of' with function TJC.'CalendarDayOfOrDayAfter'() in the	Logic	Functions	Measure Lead
'Encounter With Intervention Comfort Measures on Day of or Day After Procedure' definition to capture all			
eligible same date events regardless of time stamps.			
Added VTEICU.'First ICULocationPeriod'() and VTEICU.'StartOfFirstICU'() to the VTEICU local library to align	Logic	Functions	Measure Lead
with standards or tooling updates.			
Removed function VTEICU.'First Intensive Care Unit'() from the VTEICU library because this function is now	Logic	Functions	Measure Lead
included in the Global. 'FirstInpatientIntensiveCareUnit'() library.			
Removed 'Start of First ICU' and 'First ICU Location Period' as they are no longer used in the measure.	Logic	Functions	Measure Lead
Removed local function 'Length In Days' because the 'Length In Days' function is included in the Global library.	Logic	Functions	Measure Lead
Added VTEICU library function 'FromDayOfStartOfHospitalizationToDayAfterFirstICU' to simplify the logic by	Logic	Functions	Measure Lead
Added Vicion Indiany idirection from bayorstate of hospitalization robay. Attention to simplify the logic by	0		

CMS190v8 - Intensive Care Unit Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Replaced Global.'First Inpatient Intensive Care Unit' with VTEICU.FirstInpatientIntensiveCareUnit, to ensure	Logic	Functions	Measure Lead
OID 2.16.840.1.113762.1.4.1029.206 is used since the OID is not included in the Global Common Library v4.0.			
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification	Logic	Definitions and Functions	Standards Update
and to align with CQL Style Guide.			
Updated version number of the VTEICU Library (VTEICU-3.1.000).	Logic	Multiple Sections	Measure Lead
Update to TJC_Overall Library version number (TJC_Overall-3.6.000).	Logic	Multiple Sections	Measure Lead
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality	Logic	Multiple Sections	Standards Update
Language Specification, Release 1 STU 3 (CQL 1.3).			
Updated definitions and functions in the Measure Authoring Tool (MAT) Global Common Functions Library to	Logic	Multiple Sections	Standards Update
align with standards changes, Clinical Quality Language (CQL) Style Guide, and to include two new functions			
related to calculating hospital stays.			
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library	Logic	Multiple Sections	Standards Update
(MATGlobalCommonFunctions-4.0.000).			
Value set Oral Factor Xa Inhibitor for VTE Prophylaxis or VTE Treatment (2.16.840.1.113883.3.117.1.7.1.134):	Value Set	Terminology	Annual Update
Added 3 RxNorm codes (1549682, 1992427, 2059015).			
Value set Atrial Fibrillation/Flutter (2.16.840.1.113883.3.117.1.7.1.202): Added 5 SNOMED CT codes	Value Set	Terminology	Annual Update
(120041000119109, 15964901000119107, 706923002, 715395008, 720448006).			
Value set Low Molecular Weight Heparin for VTE Prophylaxis (2.16.840.1.113883.3.117.1.7.1.219): Deleted 1	Value Set	Terminology	Annual Update
RxNorm code (978738).			
Value set General Surgery (2.16.840.1.113883.3.117.1.7.1.255): Added 1 SNOMED CT code (764677008) and	Value Set	Terminology	Annual Update
deleted 3 SNOMED CT codes (27056009, 274032001, 428784009).			
Value set Direct Thrombin Inhibitor (2.16.840.1.113883.3.117.1.7.1.205): Deleted 1 RxNorm code (1798389).	Value Set	Terminology	Annual Update
Value set Obstetrics (2.16.840.1.113883.3.117.1.7.1.263): Added 1 SNOMED CT code (769087009) and	Value Set	Terminology	Annual Update
deleted 7 SNOMED CT codes (111443000, 111444006, 111445007, 199032005, 199033000, 288207006,			
38331001).			
Value set Observation Services (2.16.840.1.113762.1.4.1111.143): Added Observation Services.	Value Set	Terminology	Annual Update
Value set Comfort Measures (1.3.6.1.4.1.33895.1.3.0.45): Changed Exclusion Criteria description from 'None'	Value Set	Terminology	ONC Project Tracking System
to 'Palliative Care' for clarity and to align with chart-abstracted measures.			(JIRA): CQM-3396
Created Intensive Care Unit (2.16.840.1.113762.1.4.1029.204) value set with 25 HSLOC codes.	Value Set	Terminology	Measure Lead
Created Intensive Care Unit (2.16.840.1.113762.1.4.1029.206) grouping value set that includes HSLOC and	Value Set	Terminology	Measure Lead
SNOMED CT extensional value sets (2.16.840.1.113762.1.4.1029.204 and 2.16.840.1.113762.1.4.1110.23).			
Replaced value set Intensive Care Unit (2.16.840.1.113762.1.4.1110.23) with value set Intensive Care Unit	Value Set	Terminology	Measure Lead
(2.16.840.1.113762.1.4.1029.206) to align with terminology updates.			
Direct reference code for Birth date (LOINC Code (21112-8)) now displayed in Human Readable.	Value Set	Terminology	Annual Update
Removed code system versions from direct reference codes. Please refer to Appendix A of the Electronic	Value Set	Terminology	Standards Update
Clinical Quality Measure Logic and Implementation Guidance document for a list of code system versions used	d		
in the eCQM specifications for 2020 reporting/performance.			
Standardized purpose statement language in value sets across eCQMs. Value set purpose statements are	Value Set	Terminology	Measure Lead
visible in the Value Set Authority Center (VSAC) as well as the downloadable eCQM value set files.			