

Technical Release Notes:
2017 Reporting Period Electronic Clinical Quality Measure (eCQM) Value Set
Addendum for Eligible Hospitals and Critical Access Hospitals

This page has been left blank for double-sided copying.

CMS9v5 - Exclusive Breast Milk Feeding

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Removed language to related to the PC-05a population which has been removed from the measure.	Header	Denominator	JIRA (CQM-1691)
Removed language to related to the PC-05a population which has been removed from the measure.	Header	Denominator Exclusions	JIRA (CQM-1691)
Removed language to related to the PC-05a population which has been removed from the measure.	Header	Description	JIRA (CQM-1691)
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Removed language to related to the PC-05a population which has been removed from the measure.	Header	Guidance	JIRA (CQM-1691)
Added guidance to support calculation of gestational age based on best obstetrical estimated due date (EDD).	Header	Guidance	JIRA (CQM-1897)
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Removed language to related to the PC-05a population which has been removed from the measure.	Header	Numerator	JIRA (CQM-1691)
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Introduced the operator 'Union of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Initial Population	QDM Standards
Removed PC-05a population to align with updates to the chart-abstracted measure.	Logic	Measure Population	JIRA (CQM-1691)
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Removed 'Communication: From Patient to Provider: Feeding Intention Breast' using 'Feeding Intention Breast SNOMEDCT Value Set (2.16.849.1.113762.1.4.1045.29). The data element was used in the numerator of PC-05a. The data element is no longer needed as the PC-05a population has been removed from the measure.	Logic	QDM Data Elements	JIRA (CQM-1691)
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Data Elements	QDM Standards
Value set Single Live Born Newborn Born in Hospital (2.16.840.1.113883.3.117.1.7.1.26): Deleted 2 ICD9CM codes (V30.00, V30.01).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Galactosemia (2.16.840.1.113883.3.117.1.7.1.35): Deleted 1 ICD9CM code (271.1).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Parenteral Nutrition (2.16.840.1.113883.3.117.1.7.1.38): Deleted 1 ICD9CM code (99.15).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS26v4 - Home Management Plan of Care (HMPC) Document Given to Patient/Caregiver

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Revised to reflect logic. Previously, the Denominator stated both the IP and Denominator logic. Revise to reflect only the conditions specified in the denominator.	Header	Denominator	Measure Lead
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Added Attribute: 'Principle diagnosis: Asthma' using 'Asthma Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.271)' to conform with QDM 4.2 replacement of 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)'.	Logic	QDM Data Elements	QDM Standards
Value set Asthma (2.16.840.1.113883.3.117.1.7.1.271): Added 42 SNOMEDCT codes and deleted 7 SNOMEDCT codes (233681001, 233685005, 266364000, 427354000, 57546000, 59327009, 91340006).	Value Set	QDM Data Elements	Annual Update
Value set Patient Refusal (2.16.840.1.113883.3.117.1.7.1.93): Added 3 SNOMEDCT codes (183946001, 183956002, 609589008).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Asthma (2.16.840.1.113883.3.117.1.7.1.271): Deleted 11 ICD9CM codes (493.00, 493.01, 493.02, 493.10, 493.11, 493.12, 493.81, 493.82, 493.90, 493.91, 493.92).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS31v5 - Hearing Screening Prior To Hospital Discharge

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Added 'with hospital stays <= 120 days' during the measure period to be more concise and to align with the logic.	Header	Initial Population	Measure Lead
Updated Reference.	Header	Reference	Measure Lead
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Combined Livebirth to Liveborn Newborn Born in Hospital value set and introduced the operator Intersection of to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Initial Population	QDM Standards
Value set Livebirth (2.16.840.1.114222.4.1.214079.1.1.1): Removed Livebirth.	Logic	Initial Population	Annual Update
Value set Liveborn Newborn Born in Hospital (2.16.840.1.113762.1.4.1046.6): Renamed Liveborn Newborn Born in Hospital to Live Birth Newborn Born in Hospital.	Logic	Initial Population	Annual Update
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Data Elements	QDM Standards
Value set Livebirth (2.16.840.1.114222.4.1.214079.1.1.1): Removed Livebirth.	Logic	QDM Data Elements	Annual Update
Value set Liveborn Newborn Born in Hospital (2.16.840.1.113762.1.4.1046.6): Renamed Liveborn Newborn Born in Hospital to Live Birth Newborn Born in Hospital.	Logic	QDM Data Elements	Annual Update
Value set Live Birth Newborn Born in Hospital (2.16.840.1.113762.1.4.1046.6): Deleted 18 ICD9CM codes. Added SNOMEDCT extensional value set (2.16.840.1.114222.4.1.214079.1.1.1) including 24 codes.	Value Set	QDM Data Elements	Annual Update
Value set Liveborn Newborn Born in Hospital (2.16.840.1.113762.1.4.1046.6): Renamed Liveborn Newborn Born in Hospital to Live Birth Newborn Born in Hospital.	Value Set	QDM Data Elements	Annual Update

CMS32v6 - Median Time from ED Arrival to ED Departure for Discharged ED Patients

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Replaced emergency department visit attribute:(admission datetime) with (facility location arrival datetime) and (discharge datetime) to (facility location departure datetime) to use timestamps that reflect the arrival and departure date and times for the Emergency Department visit.	Header	Guidance	JIRA (CQM-1645)
Modified the language for the description of the Initial Population to more accurately reflect the timing logic.	Header	Initial Population	JIRA (CQM-1623)
Revised description to include same facility to clarify intent.	Header	Measure Population Exclusion	JIRA (CQM-1499)
Revised Stratum 3 narrative to specifically state this includes patients who do not have a principal diagnosis consistent with mental disorders and who are not transferred.	Header	Stratification	QDM Standards
Replaced operator 'Datetime difference of' with 'Datetimediff' to align with the name of the QDM function.	Logic	Measure Observations	QDM Standards
Removed Emergency Department visit <=6 hour(s) before or concurrent with the start of Inpatient Encounter from Measure Population logic to better align with the measure intent.	Logic	Measure Population	Annual Update
Added logic to exclude patients with an Emergency Department visit <=1 hour(s) before or concurrent with the start of the Inpatient Encounter in order to meet the intent of the measure.	Logic	Measure Population Exclusions	Annual Update
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Added 'Occurrence A of' to the Emergency Department Encounter and replaced the AND NOT Union of with AND NOT starting each line of logic.	Logic	Stratification	QDM Standards
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Stratification	QDM Standards
Value set Psychiatric/Mental Health Patient (2.16.840.1.113883.3.117.1.7.1.299): Deleted 477 ICD9CM codes. Added 15 SNOMEDCT codes and deleted 1 SNOMEDCT code (426041005). Added 121 ICD10CM codes and deleted 23 ICD10CM codes.	Value Set	QDM Data Elements	Annual Update
Value set Psychiatric/Mental Health Patient (2.16.840.1.113883.3.117.1.7.1.299): Added 13 ICD10CM codes and deleted 4 ICD10CM codes (F32.8, F34.8, F42, F50.8).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Psychiatric/Mental Health Patient (2.16.840.1.113883.3.117.1.7.1.299): Added 5 SNOMEDCT codes (247444006, 288511000119108, 596004, 715924009, 72366004) and deleted 4 SNOMEDCT codes (229714007, 231457005, 231535000, 88339003). Added 10 ICD10CM codes (F10.11, F11.11, F12.11, F13.11, F14.11, F15.11, F16.11, F18.11, F19.11, F50.82).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS53v5 - Primary PCI Received Within 90 Minutes of Hospital Arrival

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Updated denominator header guidance to include patients in the initial population with an ECG result of acute or evolving MI and a primary PCI procedure that does not start after fibrinolytic therapy.	Header	Denominator	Measure Lead
Updated Denominator Exception criteria to include documented reasons and for consistency across AMI measures.	Header	Denominator Exceptions	Measure Lead
Corrected 'PCI within 30 minutes' to 'PCI within 90 minutes' to align with the logic and intent of the measure.	Header	Denominator Exclusions	Measure Lead
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Added a clarifying statement to the current guidance regarding using first to meet the intent of the measure in capturing the primary PCI procedure performed during the inpatient encounter.	Header	Guidance	Measure Lead
Updated the header language to add clarity and conciseness by removing duplicated population explanations from the guidance, and only listing these explanations in the denominator exclusions and denominator exception sections.	Header	Guidance	Measure Lead
Removed ED visit information from the Initial Population section of the header to align with the logic.	Header	Initial Population	Measure Lead
Added 'FIRST' to replace 'Ordinality: Primary Procedure' to capture the first (primary) PCI procedure performed during an inpatient encounter.	Logic	Denominator	JIRA (CQM-1692)
Removed Occurrence A of from Medication Administered: Fibrinolytic Therapy because it is not referenced elsewhere.	Logic	Denominator	Measure Lead
Updated the timing constraint for 'Occurrence A of Encounter, Performed: Emergency Department Visit' by changing 'starts after start' to 'starts during' to capture an ECG during the ED visit.	Logic	Denominator	Measure Lead
Replaced variable name '\$ReasonForNoFibrinolyticTherapy' with '\$ReasonForNoPCI' to align with the measure content.	Logic	Denominator Exceptions	JIRA (CQM-1557)
Extended the temporal operators to 'starts before or concurrent with start of' and 'ends before or concurrent with start of' to provide greater flexibility to hospitals in fulfilling the 'Transfer From' statements.	Logic	Denominator Exclusions	JIRA (CQM-1656)
Removed the 'Union of' operator from the Initial Population logic as it is no longer needed to meet the measure intent.	Logic	Initial Population	Measure Lead
Removed the Emergency Department (ED) section of logic from the Initial Population as it is not needed to capture the principal diagnosis.	Logic	Initial Population	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Data Elements	QDM Standards
Value set Primary Procedure (2.16.840.1.113762.1.4.1111.12): Removed Primary Procedure.	Logic	QDM Data Elements	Annual Update
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Variables	QDM Standards
Replaced variable name '\$ReasonForNoFibrinolyticTherapy' with '\$ReasonForNoPCI' to align with the measure content.	Logic	QDM Variables	JIRA (CQM-1557)

CMS53v5 - Primary PCI Received Within 90 Minutes of Hospital Arrival

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Acute Myocardial Infarction (AMI) (2.16.840.1.113883.3.666.5.3011): Added 9 SNOMEDCT codes (15712841000119100, 15712881000119105, 15712921000119103, 15712961000119108, 15713041000119103, 15713081000119108, 15713121000119105, 15713161000119100, 15713201000119105) and deleted 1 SNOMEDCT code (194798004).	Value Set	QDM Data Elements	Annual Update
Value set Acute or Evolving MI (2.16.840.1.113883.3.666.5.3022): Added 9 SNOMEDCT codes (15712841000119100, 15712881000119105, 15712921000119103, 15712961000119108, 15713041000119103, 15713081000119108, 15713121000119105, 15713161000119100, 15713201000119105) and deleted 1 SNOMEDCT code (194798004).	Value Set	QDM Data Elements	Annual Update
Value set Ambulatory surgical center (2.16.840.1.113883.3.666.5.687): Added 2 SNOMEDCT codes (10531005, 69362002).	Value Set	QDM Data Elements	Annual Update
Value set Cardiopulmonary arrest (2.16.840.1.113883.3.666.5.748): Added 1 SNOMEDCT code (699748007).	Value Set	QDM Data Elements	Annual Update
Value set Fibrinolytic Therapy (2.16.840.1.113883.3.666.5.736): Deleted 4 RXNORM codes (238721, 346773, 351449, 562122).	Value Set	QDM Data Elements	Annual Update
Value set STEMI Exclusions (2.16.840.1.113762.1.4.1045.36): Added 3 SNOMEDCT codes (233835003, 30277009, 57054005).	Value Set	QDM Data Elements	Annual Update
Value set Ventricular Assist Device placement (2.16.840.1.113883.3.666.5.3015): Deleted 2 SNOMEDCT codes (16965008, 175113001).	Value Set	QDM Data Elements	Annual Update
Value set PCI (2.16.840.1.113762.1.4.1045.67): Added 96 ICD10PCS codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Ventricular Assist Device placement (2.16.840.1.113883.3.666.5.3015): Added 3 ICD10PCS codes (02HA0RJ, 02HA3RJ, 02HA4RJ).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Fibrinolytic Therapy (2.16.840.1.113883.3.666.5.736): Added 2 RXNORM codes (1804799, 1804804) and deleted 1 RXNORM code (308056).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS55v5 - Median Time from ED Arrival to ED Departure for Admitted ED Patients

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Replaced emergency department visit attribute:(admission datetime) with (facility location arrival datetime) and (discharge datetime) to (facility location departure datetime) to use timestamps that reflect the arrival and departure date and times for the Emergency Department visit.	Header	Guidance	JIRA (CQM-1645)
Clarified Initial Population by adding Inpatient Encounters preceded by an emergency department visit (at the same physical facility) to meet measures intent.	Header	Initial Population	JIRA (CQM-1605)
Clarified IP by adding Inpatient Encounters preceded by an emergency department visit (at the same physical facility) to meet measures intent.	Header	Initial Population	JIRA (CQM-1649)
Moved Measure Population definition to the IP definition in order for the strata to work as intended and to align with the logic.	Header	Initial Population	JIRA (CQM-1738)
Replaced emergency department visit attribute:(admission datetime) with (facility location arrival datetime) and (discharge datetime) to (facility location departure datetime) to use timestamps that reflect the arrival and departure date and times for the Emergency Department visit.	Header	Measure Observations	JIRA (CQM-1645)
Moved Measure Population definition to the IP definition in order for the strata to work as intended and to align with the logic.	Header	Measure Population	JIRA (CQM-1738)
Added a definition for the exclusion Transfer from: Hospital Settings.	Header	Measure Population Exclusions	JIRA (CQM-1475)
Replaced emergency department visit attribute:(admission datetime) with (facility location arrival datetime) and (discharge datetime) to (facility location departure datetime) to use timestamps that reflect the arrival and departure date and times for the Emergency Department visit.	Header	Rate Aggregation	JIRA (CQM-1645)
Updated language to clarify that the principal diagnosis consistent with psychiatric/mental health disorders is related to inpatient encounters.	Header	Stratification	Measure Lead
Revised and moved Measure Population logic to the IP definition in order for the strata to work as intended.	Logic	Initial Population	JIRA (CQM-1738)
Replaced emergency department visit attribute:(admission datetime) with (facility location arrival datetime) and (discharge datetime) to (facility location departure datetime) to use timestamps that reflect the arrival and departure date and times for the Emergency Department visit.	Logic	Measure Observations	JIRA (CQM-1645)
Replaced emergency department visit attribute:(admission datetime) with (facility location arrival datetime) and (discharge datetime) to (facility location departure datetime) to use timestamps that reflect the arrival and departure date and times for the Emergency Department visit.	Logic	Measure Observations	JIRA (CQM-1781)
Replaced operator 'Datetime difference of' with 'Datetimediff' to align with the name of the QDM function.	Logic	Measure Observations	QDM Standards
Revised and moved Measure Population logic to the IP definition in order for the strata to work as intended.	Logic	Measure Population	JIRA (CQM-1738)
Added a definition for the exclusion Transfer from: Hospital Settings.	Logic	Measure Population Exclusions	JIRA (CQM-1757)
Added an exclusion of Transfer from: Hospital Settings to meet the measure intent.	Logic	Measure Population Exclusions	JIRA (CQM-1475)
Value set Hospital Settings (2.16.840.1.113762.1.4.1111.126): Added Hospital Settings.	Logic	Measure Population Exclusions	Annual Update
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Value set Hospital Settings (2.16.840.1.113762.1.4.1111.126): Added Hospital Settings.	Logic	QDM Data Elements	Annual Update
Changed the logic of the strata to include principal diagnosis with Inpatient Encounter rather than the ED Visit to meet the measure intent.	Logic	Stratification	Measure Lead

CMS55v5 - Median Time from ED Arrival to ED Departure for Admitted ED Patients

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Introduced the operator Intersection of to condense logic and reduce complexity.	Logic	Stratification	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Stratification	QDM Standards
Value set Principal (2.16.840.1.113883.3.117.1.7.1.14): Removed Principal.	Logic	Stratification	Annual Update
Value set Hospital Settings (2.16.840.1.113762.1.4.1111.126): Added Hospital Settings.	Value Set	QDM Data Elements	Annual Update
Value set Psychiatric/Mental Health Patient (2.16.840.1.113883.3.117.1.7.1.299): Deleted 477 ICD9CM codes. Added 15 SNOMEDCT codes and deleted 1 SNOMEDCT code (426041005). Added 121 ICD10CM codes and deleted 23 ICD10CM codes.	Value Set	QDM Data Elements	Annual Update
Value set Psychiatric/Mental Health Patient (2.16.840.1.113883.3.117.1.7.1.299): Added 13 ICD10CM codes and deleted 4 ICD10CM codes (F32.8, F34.8, F42, F50.8).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Psychiatric/Mental Health Patient (2.16.840.1.113883.3.117.1.7.1.299): Added 5 SNOMEDCT codes (247444006, 288511000119108, 596004, 715924009, 72366004) and deleted 4 SNOMEDCT codes (229714007, 231457005, 231535000, 88339003). Added 10 ICD10CM codes (F10.11, F11.11, F12.11, F13.11, F14.11, F15.11, F16.11, F18.11, F19.11, F50.82).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS71v6 - Anticoagulation Therapy for Atrial Fibrillation/Flutter

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Updated the Denominator header statement to better align with measure logic.	Header	Denominator	Measure Lead
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Updated initial population header to harmonize across all stroke measures.	Header	Initial Population	Measure Lead
Update references to align with chart-abstracted measures.	Header	Reference	Chart Abstracted Measures
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	Denominator	QDM Standards
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Denominator	QDM Standards
Replaced datatypes 'Diagnosis, Inactive'; 'Diagnosis, Resolved' with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Denominator	QDM Standards
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Denominator	QDM Standards
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Data Elements	QDM Standards
Replaced datatypes 'Diagnosis, Inactive'; 'Diagnosis, Resolved' with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Data Elements	QDM Standards
Value set Anticoagulant Therapy (2.16.840.1.113883.3.117.1.7.1.200): Added 2 RXNORM codes (1659195, 1659197) and deleted 18 RXNORM codes.	Value Set	QDM Data Elements	Annual Update
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 3 SNOMEDCT codes (230701008, 307363008, 426107000) and deleted 5 SNOMEDCT codes (233964008, 288723005, 300920004, 64586002, 71444005). Deleted 18 ICD10CM codes.	Value Set	QDM Data Elements	Annual Update
Value set Medical Reason (2.16.840.1.113883.3.117.1.7.1.473): Deleted 1 SNOMEDCT code (161590003).	Value Set	QDM Data Elements	Annual Update
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Added 1 ICD10CM code (I60.2) and deleted 3 ICD10CM codes (I60.20, I60.21, I60.22).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 18 ICD10CM codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Anticoagulant Therapy (2.16.840.1.113883.3.117.1.7.1.200): Added 8 RXNORM codes (1599543, 1599551, 1599555, 1658717, 1723476, 1804735, 1804737, 1804738) and deleted 29 RXNORM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Patient Refusal (2.16.840.1.113883.3.117.1.7.1.93): Added 3 SNOMEDCT codes (183946001, 183956002, 609589008).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS71v6 - Anticoagulation Therapy for Atrial Fibrillation/Flutter

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Deleted 2 ICD9CM codes (430, 431).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Deleted 12 ICD9CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Anticoagulant ingredient specific (2.16.840.1.113762.1.4.1021.9): Added 1 RXNORM code (5224) and deleted 2 RXNORM codes (235473, 237057).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS72v5 - Antithrombotic Therapy By End of Hospital Day 2

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Added additional guidance language to clarify intent of the measure.	Header	Guidance	JIRA (CQM-1512)
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Updated initial population header to harmonize across all stroke measures.	Header	Initial Population	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Denominator	QDM Standards
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Value set Antithrombotic Therapy (2.16.840.1.113883.3.117.1.7.1.201): Added 6 RXNORM codes (103863, 1659195, 1659197, 198463, 198464, 198473) and deleted 35 RXNORM codes.	Value Set	QDM Data Elements	JIRA (CQM-1513)
Value set Antithrombotic Therapy (2.16.840.1.113883.3.117.1.7.1.201): Added 6 RXNORM codes (103863, 1659195, 1659197, 198463, 198464, 198473) and deleted 35 RXNORM codes.	Value Set	QDM Data Elements	JIRA (CQM-1830)
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 3 SNOMEDCT codes (230701008, 307363008, 426107000) and deleted 5 SNOMEDCT codes (233964008, 288723005, 300920004, 64586002, 71444005). Deleted 18 ICD10CM codes.	Value Set	QDM Data Elements	Annual Update
Value set Medical Reason (2.16.840.1.113883.3.117.1.7.1.473): Deleted 1 SNOMEDCT code (161590003).	Value Set	QDM Data Elements	Annual Update
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Added 1 ICD10CM code (I60.2) and deleted 3 ICD10CM codes (I60.20, I60.21, I60.22).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 18 ICD10CM codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Intravenous or Intra arterial Thrombolytic (tPA) Therapy (2.16.840.1.113762.1.4.1045.21): Added 1 ICD10CM code (Z92.82).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Thrombolytic (t-PA) Therapy (2.16.840.1.113883.3.117.1.7.1.226): Added 2 RXNORM codes (1804799, 1804804) and deleted 1 RXNORM code (308056).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Patient Refusal (2.16.840.1.113883.3.117.1.7.1.93): Added 3 SNOMEDCT codes (183946001, 183956002, 609589008).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Deleted 2 ICD9CM codes (430, 431).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Deleted 12 ICD9CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Antithrombotic Therapy (2.16.840.1.113883.3.117.1.7.1.201): Added 24 RXNORM codes and deleted 37 RXNORM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Antithrombotic ingredient specific (2.16.840.1.113762.1.4.1021.8): Added 1 RXNORM code (5524) and deleted 2 RXNORM codes (235473, 237057).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS102v5 - Assessed for Rehabilitation

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Added statement addressing the implicit exclusion of elective carotid intervention patients to align with other STK measures to which this implicit exclusion applies.	Header	Denominator Exclusions	Measure Lead
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Updated initial population header to harmonize across all stroke measures.	Header	Initial Population	Measure Lead
Update references to align with chart-abstracted measures.	Header	Reference	Chart Abstracted Measures
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Updated criteria in the Numerator representing Medical Reasons for No Rehabilitation Therapy Assessment to better align with the chart-abstracted measure.	Logic	Numerator	JIRA (CQM-1594)
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 3 SNOMEDCT codes (230701008, 307363008, 426107000) and deleted 5 SNOMEDCT codes (233964008, 288723005, 300920004, 64586002, 71444005). Deleted 18 ICD10CM codes.	Value Set	QDM Data Elements	Annual Update
Value set Rehabilitation Assessment (2.16.840.1.113762.1.4.1045.18): Added 9 SNOMEDCT codes (32908001, 385816003, 410155007, 410161005, 410173005, 64374001, 712492003, 77837000, 84478008) and deleted 1 SNOMEDCT code (410427003).	Value Set	QDM Data Elements	Annual Update
Value set Rehabilitation Therapy (2.16.840.1.113762.1.4.1045.19): Added 4 SNOMEDCT codes (229315006, 28150003, 302259009, 306173009).	Value Set	QDM Data Elements	Annual Update
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Added 1 ICD10CM code (I60.2) and deleted 3 ICD10CM codes (I60.20, I60.21, I60.22).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 18 ICD10CM codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Patient Refusal (2.16.840.1.113883.3.117.1.7.1.93): Added 3 SNOMEDCT codes (183946001, 183956002, 609589008).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Deleted 2 ICD9CM codes (430, 431).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Deleted 12 ICD9CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS104v5 - Discharged on Antithrombotic Therapy

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Updated initial population header to harmonize across all stroke measures.	Header	Initial Population	Measure Lead
Update references to align with chart-abstracted measures.	Header	Reference	Chart Abstracted Measures
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Denominator	QDM Standards
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Value set Antithrombotic Therapy (2.16.840.1.113883.3.117.1.7.1.201): Added 6 RXNORM codes (103863, 1659195, 1659197, 198463, 198464, 198473) and deleted 35 RXNORM codes.	Value Set	QDM Variables	JIRA (CQM-1513)
Value set Antithrombotic Therapy (2.16.840.1.113883.3.117.1.7.1.201): Added 6 RXNORM codes (103863, 1659195, 1659197, 198463, 198464, 198473) and deleted 35 RXNORM codes.	Value Set	QDM Variables	JIRA (CQM-1830)
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 3 SNOMEDCT codes (230701008, 307363008, 426107000) and deleted 5 SNOMEDCT codes (233964008, 288723005, 300920004, 64586002, 71444005). Deleted 18 ICD10CM codes.	Value Set	QDM Variables	Annual Update
Value set Medical Reason (2.16.840.1.113883.3.117.1.7.1.473): Deleted 1 SNOMEDCT code (161590003).	Value Set	QDM Variables	Annual Update
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Added 1 ICD10CM code (I60.2) and deleted 3 ICD10CM codes (I60.20, I60.21, I60.22).	Value Set	QDM Variables	ICD-10 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 18 ICD10CM codes.	Value Set	QDM Variables	ICD-10 Addendum
Value set Patient Refusal (2.16.840.1.113883.3.117.1.7.1.93): Added 3 SNOMEDCT codes (183946001, 183956002, 609589008).	Value Set	QDM Variables	4Q 2017 Addendum
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Deleted 2 ICD9CM codes (430, 431).	Value Set	QDM Variables	4Q 2017 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Deleted 12 ICD9CM codes.	Value Set	QDM Variables	4Q 2017 Addendum
Value set Antithrombotic Therapy (2.16.840.1.113883.3.117.1.7.1.201): Added 24 RXNORM codes and deleted 37 RXNORM codes.	Value Set	QDM Variables	4Q 2017 Addendum
Value set Antithrombotic ingredient specific (2.16.840.1.113762.1.4.1021.8): Added 1 RXNORM code (5524) and deleted 2 RXNORM codes (235473, 237057).	Value Set	QDM Variables	4Q 2017 Addendum

CMS105v5 - Discharged on Statin Medication

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Updated initial population header to harmonize across all stroke measures.	Header	Initial Population	Measure Lead
Update references to align with chart-abstracted measures.	Header	Reference	Chart Abstracted Measures
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Denominator	QDM Standards
Updated denominator exclusion logic by removing occurrence of Laboratory Test, Performed because it is not needed since this lab is not referenced elsewhere in the logic. Added occurrence of \$EncounterInpatientNonElective since it was missing to ensure the same instance of the encounter is referenced.	Logic	Denominator Exclusions	Measure Lead
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Value Set Statin (2.16.840.1.113883.3.117.1.7.1.225) is replaced by Statin Grouper (2.16.840.1.113762.1.4.1110.19). This is a harmonization effort across measures, in which the statin medications are modularized into different intensity value sets. For this measure, we need all of the medications, so the modularized value sets have been grouped together in this new value set.	Logic	Numerator	Measure Lead
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 3 SNOMEDCT codes (230701008, 307363008, 426107000) and deleted 5 SNOMEDCT codes (233964008, 288723005, 300920004, 64586002, 71444005). Deleted 18 ICD10CM codes.	Value Set	QDM Data Elements	Annual Update
Value set Medical Reason (2.16.840.1.113883.3.117.1.7.1.473): Deleted 1 SNOMEDCT code (161590003).	Value Set	QDM Data Elements	Annual Update
Value Set Statin (2.16.840.1.113883.3.117.1.7.1.225) is replaced by Statin Grouper (2.16.840.1.113762.1.4.1110.19). This is a harmonization effort across measures, in which the statin medications are modularized into different intensity value sets. For this measure, we need all of the medications, so the modularized value sets have been grouped together in this new value set.	Value Set	QDM Data Elements	Annual Update
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Added 1 ICD10CM code (I60.2) and deleted 3 ICD10CM codes (I60.20, I60.21, I60.22).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 18 ICD10CM codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set LDL-c (2.16.840.1.113883.3.117.1.7.1.215): Added 2 LOINC codes (43394-6, 50193-2).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Statin Allergen (2.16.840.1.113883.3.117.1.7.1.423): Deleted 28 RXNORM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Patient Refusal (2.16.840.1.113883.3.117.1.7.1.93): Added 3 SNOMEDCT codes (183946001, 183956002, 609589008).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Deleted 2 ICD9CM codes (430, 431).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Deleted 12 ICD9CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Statin Grouper (2.16.840.1.113762.1.4.1110.19): Deleted 22 RXNORM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS107v5 - Stroke Education

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Updated initial population header to harmonize across all stroke measures.	Header	Initial Population	Measure Lead
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Value set Instructions for Follow Up After Discharge (2.16.840.1.113883.3.117.1.7.1.378): Added 1 SNOMEDCT code (183616001) and deleted 1 SNOMEDCT code (61342007).	Value Set	QDM Data Elements	Annual Update
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 3 SNOMEDCT codes (230701008, 307363008, 426107000) and deleted 5 SNOMEDCT codes (233964008, 288723005, 300920004, 64586002, 71444005). Deleted 18 ICD10CM codes.	Value Set	QDM Data Elements	Annual Update
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Added 1 ICD10CM code (I60.2) and deleted 3 ICD10CM codes (I60.20, I60.21, I60.22).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 18 ICD10CM codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Patient Refusal (2.16.840.1.113883.3.117.1.7.1.93): Added 3 SNOMEDCT codes (183946001, 183956002, 609589008).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Deleted 2 ICD9CM codes (430, 431).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Deleted 12 ICD9CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS108v5 - Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Removed guidance related to the intent of the logic related to IV heparin. This guidance is no longer needed due to updates to the content of the unfractionated heparin value set.	Header	Guidance	Measure Lead
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Denominator Exclusions	QDM Standards
Replaced Mental Disorders value set (OID 2.16.840.1.113883.3.117.1.7.1.262) with Mental Health Diagnoses value set (OID 2.16.840.1.113883.3.464.1003.105.12.1004) to harmonize across measures.	Logic	Denominator Exclusions	Harmonization Review
Added logic to expand allowable timing for VTE and obstetrics diagnoses to the ED visit. This allows patients who are diagnosed with a VTE or obstetrics diagnosed in the ED to be excluded from the initial population.	Logic	Initial Population	JIRA (CQM-581)
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	Numerator	QDM Standards
Replaced datatypes 'Diagnosis, Inactive'; 'Diagnosis, Resolved' with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Numerator	QDM Standards
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Data Elements	QDM Standards
Replaced datatypes 'Diagnosis, Inactive'; 'Diagnosis, Resolved' with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Data Elements	QDM Standards
Value set Mental Disorders (2.16.840.1.113883.3.117.1.7.1.262): Removed Mental Disorders.	Logic	QDM Data Elements	Harmonization Review
Value set Mental Health Diagnoses (2.16.840.1.113883.3.464.1003.105.12.1004): Added Mental Health Diagnoses.	Logic	QDM Data Elements	Harmonization Review
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Variables	QDM Standards
Value set Direct Thrombin Inhibitor (2.16.840.1.113883.3.117.1.7.1.205): Deleted 1 RXNORM code (200322).	Value Set	QDM Data Elements	Annual Update
Value set General or Neuraxial Anesthesia (2.16.840.1.113883.3.666.5.1743): Added 3 SNOMEDCT codes (50697003, 74527005, 82776005).	Value Set	QDM Data Elements	Annual Update
Value set General Surgery (2.16.840.1.113883.3.117.1.7.1.255): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.362) including 214 codes.	Value Set	QDM Data Elements	Annual Update
Value set Gynecological Surgery (2.16.840.1.113883.3.117.1.7.1.257): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.312) including 21 codes.	Value Set	QDM Data Elements	Annual Update

CMS108v5 - Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Hip Fracture Surgery (2.16.840.1.113883.3.117.1.7.1.258): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.324) including 1 code.	Value Set	QDM Data Elements	Annual Update
Value set Hip Replacement Surgery (2.16.840.1.113883.3.117.1.7.1.259): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.320) including 11 codes.	Value Set	QDM Data Elements	Annual Update
Value set Injectable Factor Xa Inhibitor for VTE Prophylaxis (2.16.840.1.113883.3.117.1.7.1.211): Deleted 2 RXNORM codes (349308, 545076).	Value Set	QDM Data Elements	Annual Update
Value set Intermittent pneumatic compression devices (IPC) (2.16.840.1.113883.3.117.1.7.1.214): Added 2 SNOMEDCT codes (469317002, 469365001).	Value Set	QDM Data Elements	Annual Update
Value set Intracranial Neurosurgery (2.16.840.1.113883.3.117.1.7.1.260): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.345) including 13 codes.	Value Set	QDM Data Elements	Annual Update
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 3 SNOMEDCT codes (230701008, 307363008, 426107000) and deleted 5 SNOMEDCT codes (233964008, 288723005, 300920004, 64586002, 71444005). Deleted 18 ICD10CM codes.	Value Set	QDM Data Elements	Annual Update
Value set Knee Replacement Surgery (2.16.840.1.113883.3.117.1.7.1.261): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.316) including 7 codes.	Value Set	QDM Data Elements	Annual Update
Value set Low Dose Unfractionated Heparin for VTE Prophylaxis (2.16.840.1.113762.1.4.1045.39): Added 4 RXNORM codes (1658634, 1658637, 1659260, 1659263) and deleted 2 RXNORM codes (1361568, 1362837).	Value Set	QDM Data Elements	Annual Update
Value set Low Molecular Weight Heparin for VTE Prophylaxis (2.16.840.1.113883.3.117.1.7.1.219): Deleted 3 RXNORM codes (854258, 978717, 978761).	Value Set	QDM Data Elements	Annual Update
Value set Medical Reason (2.16.840.1.113883.3.117.1.7.1.473): Deleted 1 SNOMEDCT code (161590003).	Value Set	QDM Data Elements	Annual Update
Value set Obstetrics (2.16.840.1.113883.3.117.1.7.1.263): Deleted 5 SNOMEDCT codes (200015003, 200016002, 200026009, 308551004, 405235009). Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.272) including 828 codes.	Value Set	QDM Data Elements	Annual Update
Value set Oral Factor Xa Inhibitor for VTE Prophylaxis or VTE Treatment (2.16.840.1.113883.3.117.1.7.1.134): Added 3 RXNORM codes (1599543, 1599551, 1599555).	Value Set	QDM Data Elements	Annual Update
Value set Unfractionated Heparin (2.16.840.1.113883.3.117.1.7.1.218): Added 4 RXNORM codes (1658717, 1658720, 1659195, 1659197) and deleted 9 RXNORM codes (1361048, 1361226, 1361568, 1361574, 1361577, 1361613, 1361615, 1362831, 1362837).	Value Set	QDM Data Elements	Annual Update
Value set Urological Surgery (2.16.840.1.113883.3.117.1.7.1.272): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.332) including 31 codes.	Value Set	QDM Data Elements	Annual Update
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Added 1 ICD10CM code (I60.2) and deleted 3 ICD10CM codes (I60.20, I60.21, I60.22).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Hip Replacement Surgery (2.16.840.1.113883.3.117.1.7.1.259): Added 8 ICD10PCS codes (OSPA0JZ, OSPE0JZ, OSPROJZ, OSPSOJZ, OSWA0JZ, OSWE0JZ, OSWROJZ, OSWS0JZ).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Added 18 ICD10CM codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Knee Replacement Surgery (2.16.840.1.113883.3.117.1.7.1.261): Added 18 ICD10PCS codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Mental Health Diagnoses (2.16.840.1.113883.3.464.1003.105.12.1004): Added 13 ICD10CM codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Obstetrics (2.16.840.1.113883.3.117.1.7.1.263): Added 67 ICD10CM codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Glycoprotein IIb/IIIa Inhibitors (2.16.840.1.113762.1.4.1045.41): Added 5 RXNORM codes (1736470, 1736477, 1737466, 1737471, 1813035) and deleted 3 RXNORM codes (200326, 200348, 205253).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS108v5 - Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Direct Thrombin Inhibitor (2.16.840.1.113883.3.117.1.7.1.205): Added 3 RXNORM codes (1804735, 1804737, 1804738) and deleted 1 RXNORM code (1110708).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set General Surgery (2.16.840.1.113883.3.117.1.7.1.255): Deleted 48 ICD10PCS codes. Deleted 1 SNOMEDCT code (45608007).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Intracranial Neurosurgery (2.16.840.1.113883.3.117.1.7.1.260): Deleted 4 ICD10PCS codes (0N9200Z, 0N920ZZ, 0N9800Z, 0N980ZZ).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Obstetrics VTE (2.16.840.1.113883.3.117.1.7.1.264): Deleted 35 ICD9CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Venous Thromboembolism (2.16.840.1.113883.3.117.1.7.1.279): Deleted 14 ICD9CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Patient Refusal (2.16.840.1.113883.3.117.1.7.1.93): Added 3 SNOMEDCT codes (183946001, 183956002, 609589008).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set General or Neuraxial Anesthesia (2.16.840.1.113883.3.666.5.1743): Deleted 6 ICD10PCS codes (3E0F7DZ, 3E0F8DZ, 3E0R3CZ, 3E0S3CZ, 3E0T3CZ, 3E0X3CZ).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Hemorrhagic Stroke (2.16.840.1.113883.3.117.1.7.1.212): Deleted 2 ICD9CM codes (430, 431).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Ischemic Stroke (2.16.840.1.113883.3.117.1.7.1.247): Deleted 12 ICD9CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Obstetrics (2.16.840.1.113883.3.117.1.7.1.263): Added 78 ICD10CM codes and deleted 12 ICD10CM codes. Added 4 SNOMEDCT codes (459166009, 459167000, 713575004, 713576003) and deleted 6 SNOMEDCT codes (199094009, 200074009, 200080001, 237088009, 237246007, 66064007).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Mental Health Diagnoses (2.16.840.1.113883.3.464.1003.105.12.1004): Added 247 SNOMEDCT codes and deleted 23 SNOMEDCT codes. Added 1 ICD10CM code (F50.82) and deleted 13 ICD10CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS111v5 - Median Admit Decision Time to ED Departure Time for Admitted Patients

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Replaced emergency department visit attribute:(admission datetime) with (facility location arrival datetime) and (discharge datetime) to (facility location departure datetime) to use timestamps that reflect the arrival and departure date and times for the Emergency Department visit.	Header	Guidance	JIRA (CQM-1645)
Clarified Initial Population by adding Inpatient Encounters preceded by an emergency department visit (at the same physical facility) to meet measures intent.	Header	Initial Population	JIRA (CQM-1649)
Clarified Initial Population by adding Inpatient Encounters preceded by an emergency department visit (at the same physical facility) to meet measures intent.	Header	Initial Population	JIRA (CQM-1605)
Moved Measure Population definition to the IP definition in order for the strata to work as intended and to align with the logic.	Header	Initial Population	JIRA (CQM-1738)
Replaced emergency department visit attribute:(admission datetime) with (facility location arrival datetime) and (discharge datetime) to (facility location departure datetime) to use timestamps that reflect the arrival and departure date and times for the Emergency Department visit.	Header	Measure Observations	JIRA (CQM-1645)
Moved Measure Population definition to the IP definition in order for the strata to work as intended and to align with the logic.	Header	Measure Population	JIRA (CQM-1738)
Added a definition for the exclusion Transfer from: Hospital Settings.	Header	Measure Population Exclusions	JIRA (CQM-1475)
Added a definition for the exclusion Transfer from: Hospital Settings.	Header	Measure Population Exclusions	JIRA (CQM-1757)
Replaced emergency department visit attribute:(admission datetime) with (facility location arrival datetime) and (discharge datetime) to (facility location departure datetime) to use timestamps that reflect the arrival and departure date and times for the Emergency Department visit.	Header	Rate Aggregation	JIRA (CQM-1645)
Updated language to clarify that the principal diagnosis consistent with psychiatric/mental health disorders is related to inpatient encounters.	Header	Stratification	Measure Lead
Revised and moved Measure Population logic to the IP definition in order for the strata to work as intended.	Logic	Initial Population	JIRA (CQM-1738)
Replaced emergency department visit attribute:(admission datetime) with (facility location arrival datetime) and (discharge datetime) to (facility location departure datetime) to use timestamps that reflect the arrival and departure date and times for the Emergency Department visit.	Logic	Measure Observations	JIRA (CQM-1645)
Replaced operator 'Datetime difference of' with 'Datetimediff' to align with the name of the QDM function.	Logic	Measure Observations	QDM Standards
Revised and moved Measure Population logic to the IP definition in order for the strata to work as intended.	Logic	Measure Population	JIRA (CQM-1738)
Added an exclusion of Transfer from: Hospital Settings to meet the measure intent.	Logic	Measure Population Exclusions	JIRA (CQM-1475)
Added an exclusion of Transfer from: Hospital Settings to meet the measure intent.	Logic	Measure Population Exclusions	JIRA (CQM-1757)
Value set Hospital Settings (2.16.840.1.113762.1.4.1111.126): Added Hospital Settings.	Logic	Measure Population Exclusions	Annual Update
Added new attribute 'principal diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic. Removed QDM data element Attribute: 'Ordinality: Principal' using 'Principal SNOMEDCT Value Set (2.16.840.1.113883.3.1.7.1.14.)' to conform to QDM 4.2. changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Value set Hospital Settings (2.16.840.1.113762.1.4.1111.126): Added Hospital Settings.	Logic	QDM Data Elements	Annual Update
Changed the logic of the strata to include principal diagnosis with Inpatient Encounter rather than the ED Visit to meet the measure intent.	Logic	Stratification	Measure Lead
Introduced the operator Intersection of to condense logic and reduce complexity.	Logic	Stratification	Measure Lead

CMS111v5 - Median Admit Decision Time to ED Departure Time for Admitted Patients

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Replaced 'Diagnosis, Active: XXX (ordinality: Principal)' datatype with 'Encounter, Performed: XXX (principal diagnosis: XXX)' datatype to conform with QDM 4.2 changes and provide more accurate logic.	Logic	Stratification	QDM Standards
Value set Principal (2.16.840.1.113883.3.117.1.7.1.14): Removed Principal.	Logic	Stratification	QDM Standards
Value set Hospital Settings (2.16.840.1.113762.1.4.1111.126): Added Hospital Settings.	Value Set	QDM Data Elements	Annual Update
Value set Psychiatric/Mental Health Patient (2.16.840.1.113883.3.117.1.7.1.299): Deleted 477 ICD9CM codes. Added 15 SNOMEDCT codes and deleted 1 SNOMEDCT code (426041005). Added 121 ICD10CM codes and deleted 23 ICD10CM codes.	Value Set	QDM Data Elements	Annual Update
Value set Psychiatric/Mental Health Patient (2.16.840.1.113883.3.117.1.7.1.299): Added 13 ICD10CM codes and deleted 4 ICD10CM codes (F32.8, F34.8, F42, F50.8).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Psychiatric/Mental Health Patient (2.16.840.1.113883.3.117.1.7.1.299): Added 5 SNOMEDCT codes (247444006, 288511000119108, 596004, 715924009, 72366004) and deleted 4 SNOMEDCT codes (229714007, 231457005, 231535000, 88339003). Added 10 ICD10CM codes (F10.11, F11.11, F12.11, F13.11, F14.11, F15.11, F16.11, F18.11, F19.11, F50.82).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS113v5 - Elective Delivery

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Added guidance to support calculation of gestational age based on best obstetrical estimated due date (EDD).	Header	Guidance	JIRA (CQM-1897)
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Data Criteria	QDM Standards
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	Denominator Exclusions	QDM Standards
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Denominator Exclusions	QDM Standards
Removed ICD-9-CM stand-alone value sets for which the existing ICD-10-PCS value set addresses the same concept.	Logic	Initial Population	JIRA (CQM-1639)
Added 2 in-line comments to identify logic representing:- Cesarean birth while not in labor and no history of prior uterine surgery- medical induction of labor while not in labor.	Logic	Numerator	Measure Lead
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Numerator	QDM Standards
Where appropriate, added ICD10 codes and created grouping value sets including both SNOMEDCT and ICD10CM or ICD10PCS representations of numerator conditions, including Perforation of Uterus, Uterine Rupture, Cornual Ectopic Pregnancy, and Transabdominal Cerclage.	Logic	Numerator	Annual Update
Removed the ICD-9 Value Set from the 'Cesarean Birth Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.282)'. Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	QDM Data Elements	Measure Lead
Removed ICD-9-CM stand-alone value sets for which the existing ICD-10-PCS value set addresses the same concept.	Logic	QDM Data Elements	JIRA (CQM-1639)
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Data Elements	QDM Standards
Removed the ICD-9-CM Value Set from the 'Cesarean Birth Grouping Value Set (2.16.840.1.113883.3.117.1.7.1.282)'. Value set Cesarean Birth (2.16.840.1.113883.3.117.1.7.1.282): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.368) including 5 codes and added 2 SNOMEDCT codes (450483001, 450484007).	Value Set	QDM Data Elements	Annual Update
Value set Classical Cesarean Birth (2.16.840.1.113883.3.117.1.7.1.421): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.420) including 1 code.	Value Set	QDM Data Elements	Annual Update
Value set Conditions Possibly Justifying Elective Delivery Prior to 39 Weeks Gestation (2.16.840.1.113883.3.117.1.7.1.286): Deleted 1 SNOMEDCT code (308551004).	Value Set	QDM Data Elements	Annual Update
Value Set Cornual Ectopic Pregnancy: created grouping value set (2.16.840.1.113762.1.4.1110.12) and added 1 ICD-10-CM code (O00.8).	Value Set	QDM Data Elements	Annual Update
Value set Dinoprostone (2.16.840.1.113762.1.4.1045.56): Added 2 RXNORM codes (309922, 597957) and deleted 1 RXNORM code (197619).	Value Set	QDM Data Elements	Annual Update

CMS113v5 - Elective Delivery

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Oxytocin (2.16.840.1.113762.1.4.1045.55): Deleted 1 RXNORM code (1249598).	Value Set	QDM Data Elements	Annual Update
Value Set Perforation of Uterus: Created grouping value set (2.16.840.1.113762.1.4.1110.14) and added 1 ICD-10-CM code (O71.81).	Value Set	QDM Data Elements	Annual Update
Value Set Transabdominal Cerclage: Created grouping value set (2.16.840.1.113762.1.4.1110.18) and added 13 ICD-10-PCS codes.	Value Set	QDM Data Elements	Annual Update
Value Set Uterine Rupture: Created grouping value set (2.16.840.1.113762.1.4.1110.16) and added 4 ICD-10-CM codes (O71.00, O71.02, O71.03, O71.1).	Value Set	QDM Data Elements	Annual Update
Value set Conditions Possibly Justifying Elective Delivery Prior to 39 Weeks Gestation (2.16.840.1.113883.3.117.1.7.1.286): Added 18 ICD10CM codes and deleted 18 ICD10CM codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Cornual Ectopic Pregnancy (2.16.840.1.113762.1.4.1110.12): Added 2 ICD10CM codes (O00.80, O00.81).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Oxytocin (2.16.840.1.113762.1.4.1045.55): Added 1 RXNORM code (1791721) and deleted 6 RXNORM codes (312191, 317139, 486591, 486593, 486596, 486598).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Medical Induction of Labor (2.16.840.1.113883.3.117.1.7.1.288): Added 1 ICD10PCS code (3E0P7GC) and deleted 4 ICD10PCS codes (10900ZC, 10903ZC, 10904ZC, 10908ZC). Deleted 3 ICD9CM codes (73.01, 73.1, 73.4).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Cornual Ectopic Pregnancy (2.16.840.1.113762.1.4.1110.12): Deleted 1 ICD10CM code (O00.8).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Conditions Possibly Justifying Elective Delivery Prior to 39 Weeks Gestation (2.16.840.1.113883.3.117.1.7.1.286): Added 30 ICD10CM codes and deleted 9 ICD10CM codes (O12.11, O12.12, O12.13, O12.21, O12.22, O12.23, O26.611, O26.612, O26.613). Deleted 73 ICD9CM codes. Added 4 SNOMEDCT codes (459166009, 459167000, 713575004, 713576003) and deleted 3 SNOMEDCT codes (237246007, 240611008, 62246005).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS190v5 - Intensive Care Unit Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated Copyright.	Header	Copyright	Annual Update
Incremented eMeasure Version number.	Header	eMeasure Version number	Measure Lead
Removed guidance related to the intent of the logic related to IV heparin. This guidance is no longer needed due to updates to the content of the unfractionated heparin value set.	Header	Guidance	Measure Lead
Removed unit of measurement language from Guidance. HQMF now has a header field, 'measure item count', where the unit of measurement can be identified in a computable fashion.	Header	Guidance	Measure Lead
Added logic to expand allowable timing for VTE and obstetrics diagnoses to the ED visit. This allows patients who are diagnosed with a VTE or obstetrics diagnosed in the ED to be excluded from the initial population.	Logic	Initial Population	JIRA (CQM-581)
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	Initial Population	QDM Standards
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Initial Population	Measure Lead
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Initial Population	QDM Standards
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	Numerator	QDM Standards
Introduced the operator 'Intersection of' to condense logic and reduce complexity.	Logic	Numerator	Measure Lead
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Numerator	QDM Standards
Replaced datatypes 'Diagnosis, Inactive'; 'Diagnosis, Resolved' with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	Numerator	QDM Standards
Added new attribute 'diagnosis' to 'Encounter, performed' datatype to conform to QDM 4.2 changes and provide more accurate logic.	Logic	QDM Data Elements	QDM Standards
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Data Elements	QDM Standards
Replaced datatypes 'Diagnosis, Inactive'; 'Diagnosis, Resolved' with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Data Elements	QDM Standards
Replaced datatypes 'Diagnosis, Active; with the re-specified 'Diagnosis' datatype to conform to QDM 4.2 changes.	Logic	QDM Variables	QDM Standards
Value set General or Neuraxial Anesthesia (2.16.840.1.113883.3.666.5.1743): Added 3 SNOMEDCT codes (50697003, 74527005, 82776005).	Value Set	QDM Data Elements	Annual Update
Value set General Surgery (2.16.840.1.113883.3.117.1.7.1.255): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.362) including 214 codes.	Value Set	QDM Data Elements	Annual Update
Value set Gynecological Surgery (2.16.840.1.113883.3.117.1.7.1.257): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.312) including 21 codes.	Value Set	QDM Data Elements	Annual Update
Value set Hip Fracture Surgery (2.16.840.1.113883.3.117.1.7.1.258): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.324) including 1 code.	Value Set	QDM Data Elements	Annual Update
Value set Hip Replacement Surgery (2.16.840.1.113883.3.117.1.7.1.259): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.320) including 11 codes.	Value Set	QDM Data Elements	Annual Update
Value set Injectable Factor Xa Inhibitor for VTE Prophylaxis (2.16.840.1.113883.3.117.1.7.1.211): Deleted 2 RXNORM codes (349308, 545076).	Value Set	QDM Data Elements	Annual Update

CMS190v5 - Intensive Care Unit Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Intermittent pneumatic compression devices (IPC) (2.16.840.1.113883.3.117.1.7.1.214): Added 2 SNOMEDCT codes (469317002, 469365001).	Value Set	QDM Data Elements	Annual Update
Value set Intracranial Neurosurgery (2.16.840.1.113883.3.117.1.7.1.260): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.345) including 13 codes.	Value Set	QDM Data Elements	Annual Update
Value set Knee Replacement Surgery (2.16.840.1.113883.3.117.1.7.1.261): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.316) including 7 codes.	Value Set	QDM Data Elements	Annual Update
Value set Low Dose Unfractionated Heparin for VTE Prophylaxis (2.16.840.1.113762.1.4.1045.39): Added 4 RXNORM codes (1658634, 1658637, 1659260, 1659263) and deleted 2 RXNORM codes (1361568, 1362837).	Value Set	QDM Data Elements	Annual Update
Value set Low Molecular Weight Heparin for VTE Prophylaxis (2.16.840.1.113883.3.117.1.7.1.219): Deleted 3 RXNORM codes (854258, 978717, 978761).	Value Set	QDM Data Elements	Annual Update
Value set Medical Reason (2.16.840.1.113883.3.117.1.7.1.473): Deleted 1 SNOMEDCT code (161590003).	Value Set	QDM Data Elements	Annual Update
Value set Obstetrics (2.16.840.1.113883.3.117.1.7.1.263): Deleted 5 SNOMEDCT codes (200015003, 200016002, 200026009, 308551004, 405235009). Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.272) including 828 codes.	Value Set	QDM Data Elements	Annual Update
Value set Oral Factor Xa Inhibitor for VTE Prophylaxis or VTE Treatment (2.16.840.1.113883.3.117.1.7.1.134): Added 3 RXNORM codes (1599543, 1599551, 1599555).	Value Set	QDM Data Elements	Annual Update
Value set Unfractionated Heparin (2.16.840.1.113883.3.117.1.7.1.218): Added 4 RXNORM codes (1658717, 1658720, 1659195, 1659197) and deleted 9 RXNORM codes (1361048, 1361226, 1361568, 1361574, 1361577, 1361613, 1361615, 1362831, 1362837).	Value Set	QDM Data Elements	Annual Update
Value set Urological Surgery (2.16.840.1.113883.3.117.1.7.1.272): Removed ICD9CM extensional value set (2.16.840.1.113883.3.117.1.7.1.332) including 31 codes.	Value Set	QDM Data Elements	Annual Update
Value set Hip Replacement Surgery (2.16.840.1.113883.3.117.1.7.1.259): Added 8 ICD10PCS codes (0SPA0JZ, OSPE0JZ, OSPROJZ, OSPS0JZ, OSWA0JZ, OSWE0JZ, OSWR0JZ, OSWS0JZ).	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Knee Replacement Surgery (2.16.840.1.113883.3.117.1.7.1.261): Added 18 ICD10PCS codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Obstetrics (2.16.840.1.113883.3.117.1.7.1.263): Added 67 ICD10CM codes.	Value Set	QDM Data Elements	ICD-10 Addendum
Value set Glycoprotein IIb/IIIa Inhibitors (2.16.840.1.113762.1.4.1045.41): Added 5 RXNORM codes (1736470, 1736477, 1737466, 1737471, 1813035) and deleted 3 RXNORM codes (200326, 200348, 205253).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set General Surgery (2.16.840.1.113883.3.117.1.7.1.255): Deleted 48 ICD10PCS codes. Deleted 1 SNOMEDCT code (45608007).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Intracranial Neurosurgery (2.16.840.1.113883.3.117.1.7.1.260): Deleted 4 ICD10PCS codes (ON9200Z, ON920ZZ, ON9800Z, ON980ZZ).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Obstetrics VTE (2.16.840.1.113883.3.117.1.7.1.264): Deleted 35 ICD9CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Venous Thromboembolism (2.16.840.1.113883.3.117.1.7.1.279): Deleted 14 ICD9CM codes.	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Patient Refusal (2.16.840.1.113883.3.117.1.7.1.93): Added 3 SNOMEDCT codes (183946001, 183956002, 609589008).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set General or Neuraxial Anesthesia (2.16.840.1.113883.3.666.5.1743): Deleted 6 ICD10PCS codes (3E0F7DZ, 3E0F8DZ, 3E0R3CZ, 3E0S3CZ, 3E0T3CZ, 3E0X3CZ).	Value Set	QDM Data Elements	4Q 2017 Addendum
Value set Direct Thrombin Inhibitor (2.16.840.1.113883.3.117.1.7.1.205): Added 3 RXNORM codes (1804735, 1804737, 1804738) and deleted 1 RXNORM code (1110708).	Value Set	QDM Data Elements	4Q 2017 Addendum

CMS190v5 - Intensive Care Unit Venous Thromboembolism Prophylaxis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Obstetrics (2.16.840.1.113883.3.117.1.7.1.263): Added 78 ICD10CM codes and deleted 12 ICD10CM codes. Added 4 SNOMEDCT codes (459166009, 459167000, 713575004, 713576003) and deleted 6 SNOMEDCT codes (199094009, 200074009, 200080001, 237088009, 237246007, 66064007).	Value Set	QDM Data Elements	4Q 2017 Addendum