

**Technical Release Notes: 2021 Performance Period Electronic Clinical Quality Measures (eCQMs)
for Eligible Professionals and Eligible Clinicians**

CMS2v10 - Preventive Care and Screening: Screening for Depression and Follow-Up Plan

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated the measure developer field.	Header	Measure Developer	Measure Lead
Revised description to improve alignment with measure intent and initial population language.	Header	Description	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Revised rationale to align with updated guidelines and evidence.	Header	Rationale	Measure Lead
Removed clinical recommendation statement from an outdated guideline.	Header	Clinical Recommendation Statement	Measure Lead
Removed reference to outdated guideline.	Header	Reference	Measure Lead
Updated references to align with American Psychological Association (APA) formatting.	Header	Reference	Measure Lead
Removed guidance related to additional evaluation or assessment for depression and suicide risk assessment as appropriate follow-up. Added guidance about the importance of escalating patient care or certain circumstances which are not captured in the measure.	Header	Guidance	Measure Lead
Added guidance about the intent of the denominator exclusions.	Header	Guidance	Measure Lead
Added guidance to clarify the measure's use of the most recent depression screening.	Header	Guidance	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Removed guidance inconsistent with measure intent.	Header	Guidance	Measure Lead
Revised existing guidance pertaining to using an age-appropriate depression screening tool.	Header	Guidance	ONC Project Tracking System (Jira): CQM-3803
Revised guidance related to examples of appropriate follow-up plans.	Header	Guidance	Measure Lead
Revised guidance to consolidate and more accurately reflect the intent of using a standardized age-appropriate depression screening tool.	Header	Guidance	Measure Lead
Revised denominator exclusions language based upon subject matter experts' feedback to reflect that any patient with a current or historical diagnosis of bipolar disorder or depression should be excluded from the measure.	Header	Denominator Exclusions	Measure Lead
Revised denominator exception language to follow a similar format as other eCQMs.	Header	Denominator Exceptions	Measure Lead
Added new data element to allow for Physical Therapy Evaluation as an eligible encounter, per specialty society request.	Logic	Initial Population	Measure Lead
Revised denominator exclusions logic based upon subject matter experts' feedback to reflect that any patient with a current or historical diagnosis of bipolar disorder or depression should be excluded from the measure.	Logic	Denominator Exclusions	Measure Lead
Removed suicide risk assessment and additional evaluation or assessment for depression as appropriate follow-up options to meet the numerator based on subject matter expert input.	Logic	Numerator	Measure Lead
Revised numerator logic to allow providers to choose the age-appropriate tool to screen a patient who is 17 years old at the start of the measurement period for depression. This means patients seen when they are 17 years old of age can be screened using an adolescent depression screening tool, or patients seen after they turn 18 years of age during the measurement period can be screened using an adult depression screening tool.	Logic	Numerator	ONC Project Tracking System (Jira): CQM-3803
Added new data element to allow for Physical Therapy Evaluation as an eligible encounter, per specialty society request.	Logic	Definitions	Measure Lead

CMS2v10 - Preventive Care and Screening: Screening for Depression and Follow-Up Plan

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Definitions	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Functions	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Revised CQL definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Revised measure timings to improve alignment with the intent of the measure requirements.	Logic	Multiple Sections	Measure Lead
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL definition names and aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set (2.16.840.1.113883.3.600.1916): Renamed to Encounter to Screen for Depression to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Encounter to Screen for Depression (2.16.840.1.113883.3.600.1916): Added 2 CPT codes (96156, 96158) and deleted 2 CPT codes (96150, 96151) based on terminology update. Deleted 1 SNOMED CT code (32537008) based on terminology update.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Follow up for depression - adolescent (2.16.840.1.113883.3.600.467) with grouping value set Follow Up for Adolescent Depression (2.16.840.1.113883.3.526.3.1569) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Follow up for depression - adult (2.16.840.1.113883.3.600.468) with grouping value set Follow Up for Adult Depression (2.16.840.1.113883.3.526.3.1568) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced RxNorm value set Depression medications - adolescent (2.16.840.1.113883.3.600.469) with grouping value set Adolescent Depression Medications (2.16.840.1.113883.3.526.3.1567) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Adolescent Depression Medications (2.16.840.1.113883.3.526.3.1567): Deleted 3 RxNorm codes (199990, 248097, 248098) based on terminology update; codes are no longer prescribable.	Value Set	Terminology	Annual Update
Replaced RxNorm value set Depression medications - adult (2.16.840.1.113883.3.600.470) with grouping value set Adult Depression Medications (2.16.840.1.113883.3.526.3.1566) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Adult Depression Medications (2.16.840.1.113883.3.526.3.1566): Deleted 3 RxNorm codes (857291, 857296, 857315) based on terminology update; codes are no longer prescribable.	Value Set	Terminology	Annual Update

CMS2v10 - Preventive Care and Screening: Screening for Depression and Follow-Up Plan

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Replaced SNOMED CT value set Referral for Depression Adolescent (2.16.840.1.113883.3.600.537) with grouping value set Referral for Adolescent Depression (2.16.840.1.113883.3.526.3.1570) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Referral for Adolescent Depression (2.16.840.1.113883.3.526.3.1570): Deleted 4 SNOMED CT codes (305922005, 401174001, 429387009, 61801003) that do not align with data element intent.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Referral for Depression Adult (2.16.840.1.113883.3.600.538) with grouping value set Referral for Adult Depression (2.16.840.1.113883.3.526.3.1571) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Referral for Adult Depression (2.16.840.1.113883.3.526.3.1571): Deleted 5 SNOMED CT codes (103696004, 14129001, 401174001, 429387009, 61801003) that do not align with data element intent.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.600.145): Renamed to Depression Diagnosis to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Medical or Other Reason Not Done (2.16.840.1.113883.3.600.1.1502) with grouping value set Medical Reason (2.16.840.1.113883.3.526.3.1007) for harmonization purposes, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Additional evaluation for depression - adolescent (2.16.840.1.113883.3.600.1542): Removed Additional evaluation for depression - adolescent based on expert review and/or public feedback.	Value Set	Terminology	Measure Lead
Value set Additional evaluation for depression - adult (2.16.840.1.113883.3.600.1545): Removed Additional evaluation for depression - adult based on expert review and/or public feedback.	Value Set	Terminology	Measure Lead
Value set Suicide Risk Assessment (2.16.840.1.113883.3.600.559): Removed Suicide Risk Assessment based on expert review and/or public feedback.	Value Set	Terminology	Measure Lead
Replaced SNOMED CT value set Negative Depression Screening (2.16.840.1.113883.3.600.2451) with grouping value set Negative Depression Screening (2.16.840.1.113883.3.526.3.1564) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Positive Depression Screening (2.16.840.1.113883.3.600.2450) with grouping value set Positive Depression Screening (2.16.840.1.113883.3.526.3.1565) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Physical Therapy Evaluation (2.16.840.1.113883.3.526.3.1022): Added Physical Therapy Evaluation based on expert review and/or public feedback.	Value Set	Terminology	Measure Lead
Replaced SNOMED CT value set Patient Reason refused (2.16.840.1.113883.3.600.791) with grouping value set Patient Declined (2.16.840.1.113883.3.526.3.1582) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update

CMS22v9 - Preventive Care and Screening: Screening for High Blood Pressure and Follow-Up Documented

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated the measure developer field.	Header	Measure Developer	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated rationale citations to align with American Psychological Association (APA) formatting.	Header	Rationale	Measure Lead
Updated references to align with APA formatting.	Header	Reference	Measure Lead
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Revised denominator exception language to follow a similar format as other eCQMs.	Header	Denominator Exceptions	Measure Lead
Revised the measure language to reflect a change from a patient-based measure to an episode-based measure, requiring the measure be evaluated at every patient visit during the measurement period.	Header	Multiple Sections	Measure Lead
Revised the timing of the denominator exclusion to align with the measure language and ensure that only patients who have an active diagnosis of hypertension (i.e., if the diagnosis has an end date, it is not before the start of the visit) are excluded from the denominator.	Logic	Denominator Exclusions	ONC Project Tracking System (Jira): CQM-3723
Revised the Clinical Quality Language (CQL) definition and logic structure to reflect a change from a patient-based measure to an episode-based measure, requiring the measure be evaluated at every patient visit during the measurement period.	Logic	Multiple Sections	Measure Lead
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL definition names and aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
Revised CQL definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Revised measure timings to improve alignment with the intent of the measure requirements.	Logic	Multiple Sections	Measure Lead
Replaced value set ECG 12 lead or study order (2.16.840.1.113883.3.600.2448) with direct reference codes LOINC codes (34534-8, 11524-6) to align with best practices for replacing single code value sets with direct reference codes.	Value set	Terminology	Measure Lead
Removed ICD-9-CM extensional value sets from applicable groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead

CMS22v9 - Preventive Care and Screening: Screening for High Blood Pressure and Follow-Up Documented

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Replaced SNOMED CT value set Referral to Alternative Provider / Primary Care Provider (2.16.840.1.113883.3.600.1475) with grouping value set Referral to Primary Care or Alternate Provider (2.16.840.1.113883.3.526.3.1580) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Dietary Recommendations (2.16.840.1.113883.3.600.1515): Deleted 1 ICD-9-CM code (V65.3).Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.600.1518): Renamed to Recommendation to Increase Physical Activity to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Follow up within 4 weeks (2.16.840.1.113883.3.600.1537) with grouping value set Follow Up Within 4 Weeks (2.16.840.1.113883.3.526.3.1578) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Follow up within one year (2.16.840.1.113883.3.600.1474) with grouping value set Follow Up Within One Year (2.16.840.1.113883.3.526.3.1579) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.600.1920): Renamed to Encounter to Screen for Blood Pressure to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.600.263): Renamed to Diagnosis of Hypertension to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Diagnosis of Hypertension (2.16.840.1.113883.3.600.263): Deleted 14 SNOMED CT codes due to intent of the data element. Added 14 ICD-10-CM codes to align with other terminologies' value set content for same data element and deleted 4 ICD-10-CM codes (H35.039, I16.0, I16.1, I16.9) due to detail of coding practices.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Anti-Hypertensive Pharmacologic Therapy (2.16.840.1.113883.3.600.1476) with grouping value set Pharmacologic Therapy for Hypertension (2.16.840.1.113883.3.526.3.1577) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Pharmacologic Therapy for Hypertension (2.16.840.1.113883.3.600.1476): Added 26 RxNorm codes and deleted 24 RxNorm codes based on terminology update.	Value Set	Terminology	Annual Update
Value set Finding of Elevated Blood Pressure or Hypertension (2.16.840.1.113762.1.4.1047.514): Deleted 4 SNOMED CT codes (163028000, 170581003, 170582005, 38936003) that do not align with data element intent.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Moderation of ETOH Consumption Recommendation (2.16.840.1.113883.3.600.823) with grouping value set Referral or Counseling for Alcohol Consumption (2.16.840.1.113883.3.526.3.1583) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Lifestyle Recommendation (2.16.840.1.113883.3.600.1508) with grouping value set Lifestyle Recommendation (2.16.840.1.113883.3.526.3.1581) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update

CMS22v9 - Preventive Care and Screening: Screening for High Blood Pressure and Follow-Up Documented

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Replaced value set Medical or Other Reason Not Done (2.16.840.1.113883.3.600.1.1502) with value set Medical Reason (2.16.840.1.113883.3.526.3.1007) for harmonization purposes, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Patient Reason refused (2.16.840.1.113883.3.600.791) with grouping value set Patient Declined (2.16.840.1.113883.3.526.3.1582) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update

CMSS50v9 - Closing the Referral Loop: Receipt of Specialist Report

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated the measure developer field.	Header	Measure Developer	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated existing references to align with American Psychological Association (APA) formatting.	Header	Reference	Measure Lead
Updated abbreviation in the definition field.	Header	Definition	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Added alternate datatype option for identifying the first referral based upon feedback.	Logic	Definitions	ONC Project Tracking System (Jira): CQM-3561
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
QDM v5.5 standards update: Updated 'Communication, Performed' timing to use new 'sent dateTime' and 'received dateTime' attributes to better align with measure intent.	Logic	Multiple Sections	Standards Update
Revised Clinical Quality Language (CQL) definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL definition names and aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
Value set Referral (2.16.840.1.113883.3.464.1003.101.12.1046): Deleted 1 SNOMED CT code (306274009) based on terminology update.	Value Set	Terminology	Annual Update
Value set Consultant Report (2.16.840.1.113883.3.464.1003.121.12.1006): Deleted 1 LOINC code (60570-9).	Value Set	Terminology	Annual Update

CMS56v9 - Functional Status Assessment for Total Hip Replacement

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated rationale to change 'elderly' to 'older adults' to use a more neutral description.	Header	Rationale	Measure Lead
Updated clinical recommendation statement to define Veterans RAND 12-Item Health Survey (VR-12), Patient-Reported Outcomes Measurement Information System (PROMIS), and Knee Injury and Osteoarthritis Outcome Score (KOOS) assessment types.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated guidance to use the same functional status assessment (FSA) instrument for the initial and follow-up assessments to promote harmonization between CMS56, CMS66 and CMS90.	Header	Guidance	Measure Lead
Standardized the use of 'Follow Up' in definition names to promote harmonization between CMS56, CMS66 and CMS90.	Logic	Numerator	Measure Lead
Removed 'day of' from the timing logic to ensure the initial assessment is completed before the procedure and to promote harmonization with CMS66.	Logic	Definitions	ONC Project Tracking System (Jira): CQM-3686
Added the 'Max' operator to ensure the time of the last assessment component is used in relation to other events (applicable for all assessment types) and improve alignment with measure intent.	Logic	Definitions	Measure Lead
Standardized the use of 'Follow Up' in definition names to promote harmonization between CMS56, CMS66 and CMS90.	Logic	Definitions	Measure Lead
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definitions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Primary THA Procedure (2.16.840.1.113883.3.464.1003.198.12.1006): Deleted 2 SNOMED CT codes (33788003, 425443008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Fracture Lower Body (2.16.840.1.113883.3.464.1003.113.12.1037): Deleted 1 SNOMED CT code (208540000) based on terminology update.	Value Set	Terminology	Annual Update

CMS66v9 - Functional Status Assessment for Total Knee Replacement

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated rationale to change 'elderly' to 'older adults' to use a more neutral description.	Header	Rationale	Measure Lead
Updated clinical recommendation statement to align with the most recent clinical practice guidelines.	Header	Clinical Recommendation Statement	Measure Lead
Updated clinical recommendation statement to define Veterans RAND 12-Item Health Survey (VR-12), Patient-Reported Outcomes Measurement Information System (PROMIS), and Knee Injury and Osteoarthritis Outcome Score (KOOS) assessment types.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated Guidance to use the same functional status assessment (FSA) instrument for the initial and follow-up assessments to promote harmonization between CMS56, CMS66 and CMS90.	Header	Guidance	Measure Lead
Standardized the use of 'Follow Up' in definition names to promote harmonization between CMS56, CMS66 and CMS90.	Logic	Numerator	Measure Lead
Added the 'Max' operator to ensure the time of the last assessment component is used in relation to other events (applicable for all assessment types) and improve alignment with measure intent.	Logic	Definitions	Measure Lead
Standardized the use of 'Follow Up' in definition names to promote harmonization between CMS56, CMS66 and CMS90.	Logic	Definitions	Measure Lead
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definitions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Primary TKA Procedure (2.16.840.1.113883.3.464.1003.198.12.1007): Deleted 1 SNOMED CT code (430698003) based on terminology update.	Value Set	Terminology	Annual Update
Value set Fracture - Lower Body (2.16.840.1.113883.3.464.1003.113.12.1037): Deleted 1 SNOMED CT code (208540000) based on terminology update.	Value Set	Terminology	Annual Update

CMS68v10 - Documentation of Current Medications in the Medical Record

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated the measure developer field.	Header	Measure Developer	Measure Lead
Removed language that defines all known medications from the description field.	Header	Description	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated rationale citations to align with American Psychological Association (APA) formatting.	Header	Rationale	Measure Lead
Updated clinical recommendation statement citation to reflect updated guideline year.	Header	Clinical Recommendation Statement	Measure Lead
Updated references to align with APA formatting.	Header	Reference	Measure Lead
Updated reference to reflect updated guideline year.	Header	Reference	Measure Lead
Revised guidance language to capture specificity regarding all known medications that was previously included in the description and numerator fields.	Header	Guidance	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Removed language that defines all known medications from the numerator field.	Header	Numerator	Measure Lead
Revised denominator exception language to follow a similar format as other eCQMs.	Header	Denominator Exceptions	Measure Lead
Added the 'Intervention, Performed' QDM category and datatype to allow for an alternate method for capturing the clinical action of documenting the medications.	Logic	Numerator	ONC Project Tracking System (Jira): CQM-3347
Added the 'Intervention, Not Performed' QDM category and datatype to allow for an alternate method for capturing that the clinical action of documenting the medications was not done.	Logic	Denominator Exceptions	ONC Project Tracking System (Jira): CQM-3347
Revised Clinical Quality Language (CQL) definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Updated CQL definition names and aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set (2.16.840.1.113883.3.600.1.1834): Renamed to Encounter to Document Medications to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update

CMS68v10 - Documentation of Current Medications in the Medical Record

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Encounter to Document Medications (2.16.840.1.113883.3.600.1.1834): Deleted 1 HCPCS code (G0515) based on terminology update. Added 3 CPT codes (96156, 96158, 97129) and deleted 4 CPT codes (96150, 96151, 96152, 97127) based on terminology update. Deleted 1 SNOMED CT code (32537008) based on terminology update.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Medical or Other Reason Not Done (2.16.840.1.113883.3.600.1.1502) with grouping value set Medical Reason (2.16.840.1.113883.3.526.3.1007) for harmonization purposes, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update

CMS69v9 - Preventive Care and Screening: Body Mass Index (BMI) Screening and Follow-Up

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Removed National Quality Forum (NQF) number, as measure is no longer endorsed.	Header	NQF Number	Measure Lead
Updated the measure developer field.	Header	Measure Developer	Measure Lead
Removed endorsed by entity, as measure is no longer endorsed.	Header	Endorsed By	Measure Lead
Relocated definition for normal BMI parameters from measure description field to the definition field.	Header	Description	Measure Lead
Updated measure language to improve clarity and avoid redundancy.	Header	Description	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Removed clinical recommendation statement related to abnormal blood glucose because this is not relevant to the measure scope and requirements.	Header	Clinical Recommendation Statement	Measure Lead
Removed clinical recommendation statements related to waist circumference because these are not relevant to the measure scope and requirements.	Header	Clinical Recommendation Statement	Measure Lead
Updated references to align with American Psychological Association (APA) formatting and removed duplicate reference.	Header	Reference	Measure Lead
Relocated definition for normal BMI parameters from measure description field to the definition field.	Header	Definition	Measure Lead
Relocated examples of applicable exceptions from guidance field to denominator exceptions field.	Header	Guidance	Measure Lead
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Updated measure language to improve clarity and avoid redundancy.	Header	Initial Population	Measure Lead
Reclassified patient refusal from denominator exclusion to denominator exception based upon feedback obtained from change review process and supported by the technical expert panel.	Header	Denominator Exclusions	ONC Project Tracking System (Jira): CQM-3792
Relocated examples of applicable exceptions from guidance field to denominator exceptions field.	Header	Denominator Exceptions	Measure Lead
Revised denominator exceptions language to more clearly indicate the clinical action to which the denominator exception is applicable. This is intended to provide specificity to aid implementation.	Header	Denominator Exceptions	Measure Lead
Reclassified patient refusal from denominator exclusion to denominator exception based upon feedback obtained from change review process and supported by the technical expert panel.	Header	Denominator Exceptions	ONC Project Tracking System (Jira): CQM-3792
Added hospice care as new data element to the Clinical Quality Language (CQL) definition for palliative and hospice care to align with the measure language, as well as the logic construction used in other measures using similar data elements.	Logic	Denominator Exclusions	ONC Project Tracking System (Jira): CQM-3172
Reclassified patient refusal from denominator exclusion to denominator exception based upon feedback obtained from change review process and supported by the technical expert panel.	Logic	Denominator Exclusions	ONC Project Tracking System (Jira): CQM-3792
Reclassified patient refusal from denominator exclusion to denominator exception based upon feedback obtained from change review process and supported by the technical expert panel.	Logic	Denominator Exceptions	ONC Project Tracking System (Jira): CQM-3792
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update

CMS69v9 - Preventive Care and Screening: Body Mass Index (BMI) Screening and Follow-Up

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL definition names and aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
Revised CQL definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Revised measure timings to improve alignment with the intent of the measure requirements.	Logic	Multiple Sections	Measure Lead
Replaced value set Underweight (2.16.840.1.113883.3.600.2388) with direct reference code SNOMED CT code (248342006) to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Measure Lead
Replaced RxNorm value set Above Normal Medications (2.16.840.1.113883.3.600.1.1498) with grouping value set Medications for Above Normal BMI (2.16.840.1.113883.3.526.3.1561) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced RxNorm value set Below Normal Medications (2.16.840.1.113883.3.600.1.1499) with grouping value set Medications for Below Normal BMI (2.16.840.1.113883.3.526.3.1562) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.600.1.1525): Renamed to Follow Up for Above Normal BMI to align with best practices, based on review by expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.600.1.1527): Renamed to Referrals Where Weight Assessment May Occur to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.600.1.1528): Renamed to Follow Up for Below Normal BMI to align with best practices, based on review by expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.600.1.1623): Renamed to Pregnancy or Other Related Diagnoses to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.600.1.1751): Renamed to Encounter to Evaluate BMI to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Encounter to Evaluate BMI (2.16.840.1.113883.3.600.1.1751): Added 3 CPT codes (96156, 96158, 96159) and deleted 3 CPT codes (96150, 96151, 96152). Deleted 1 SNOMED CT code (32537008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Follow Up for Below Normal BMI (2.16.840.1.113883.3.600.1.1528): Added 2 HCPCS codes (G0270, G0271) based on terminology update and deleted 7 HCPCS codes (97802, 97803, 97804, 98960, 99078, 99401, 99402). Replaced the 7 deleted HCPCS codes with 7 CPT codes (97802, 97803, 97804, 98960, 99078, 99401, 99402) based on new or changed coding guidelines.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Hospice Care Ambulatory (2.16.840.1.113762.1.4.1108.15) with grouping value set Hospice Care Ambulatory (2.16.840.1.113883.3.526.3.1584) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update

CMS69v9 - Preventive Care and Screening: Body Mass Index (BMI) Screening and Follow-Up

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Replaced value set Medical or Other Reason Not Done (2.16.840.1.113883.3.600.1.1502) with value set Medical Reason (2.16.840.1.113883.3.526.3.1007) for harmonization purposes, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Overweight or Obese (2.16.840.1.113762.1.4.1047.502): Deleted 2 SNOMED CT codes (162690006, 275947003) that do not align with data element intent.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Patient Reason refused (2.16.840.1.113883.3.600.791) with grouping value set Patient Declined (2.16.840.1.113883.3.526.3.1582) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Pregnancy or Other Related Diagnoses (2.16.840.1.113883.3.600.1.1623): Added 31 SNOMED CT codes and deleted 1 SNOMED CT code (69532007) based on terminology update.	Value Set	Terminology	Annual Update
Value set Referrals Where Weight Assessment May Occur (2.16.840.1.113883.3.600.1.1527): Deleted 7 SNOMED CT codes (103698003, 103699006, 185359002, 305922005, 410160006, 424203006, 91251008) due to intent of the data element.	Value Set	Terminology	Annual Update
Replaced value set Palliative care encounter (2.16.840.1.113883.3.600.1.1575) with direct reference code ICD-10-CM code (Z51.5) to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Measure Lead

CMS74v10 - Primary Caries Prevention Intervention as Offered by Primary Care Providers, including Dentists

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Raised the minimum age from 0 years to 6 months, to increase the probability that children have teeth when assessed against the numerator criteria.	Header	Description	ONC Project Tracking System (Jira): CQM-3805
Updated copyright.	Header	Copyright	Annual Update
Raised the minimum age from 0 years to 6 months, to increase the probability that children have teeth when assessed against the numerator criteria.	Header	Stratification	ONC Project Tracking System (Jira): CQM-3805
Updated the clinical recommendations statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Raised the minimum age from 0 years to 6 months, to increase the probability that children have teeth when assessed against the numerator criteria.	Header	Initial Population	ONC Project Tracking System (Jira): CQM-3805
Raised the minimum age from 0 years to 6 months, to increase the probability that children have teeth when assessed against the numerator criteria.	Logic	Initial Population	ONC Project Tracking System (Jira): CQM-3805
Raised the minimum age from 0 years to 6 months, to increase the probability that children have teeth when assessed against the numerator criteria.	Logic	Stratification	ONC Project Tracking System (Jira): CQM-3805
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definitions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update

CMS75v9 - Children Who Have Dental Decay or Cavities

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Raised the minimum age from 0 years to 6 months, to increase the probability that children have teeth when assessed against the numerator criteria.	Header	Description	ONC Project Tracking System (Jira): CQM-3805
Updated copyright.	Header	Copyright	Annual Update
Raised the minimum age from 0 years to 6 months, to increase the probability that children have teeth when assessed against the numerator criteria.	Header	Stratification	ONC Project Tracking System (Jira): CQM-3805
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated the clinical recommendation statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Raised the minimum age from 0 years to 6 months, to increase the probability that children have teeth when assessed against the numerator criteria.	Header	Initial Population	ONC Project Tracking System (Jira): CQM-3805
Revised the denominator to include patients with a clinical oral evaluation to ensure the measure is reported by clinicians who provide oral health care.	Header	Initial Population	ONC Project Tracking System (Jira): CQM-3812
Revised the denominator to include patients with a clinical oral evaluation to ensure the measure is reported by clinicians who provide oral health care.	Header	Denominator	ONC Project Tracking System (Jira): CQM-3812
Raised the minimum age from 0 years to 6 months, to increase the probability that children have teeth when assessed against the numerator criteria.	Logic	Initial Population	ONC Project Tracking System (Jira): CQM-3805
Revised the denominator to include patients with a clinical oral evaluation to ensure the measure is reported by clinicians who provide oral health care.	Logic	Initial Population	ONC Project Tracking System (Jira): CQM-3812
Revised the denominator to include patients with a clinical oral evaluation to ensure the measure is reported by clinicians who provide oral health care.	Logic	Denominator	ONC Project Tracking System (Jira): CQM-3812
Raised the minimum age from 0 years to 6 months, to increase the probability that children have teeth when assessed against the numerator criteria.	Logic	Stratification	ONC Project Tracking System (Jira): CQM-3805
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update

CMS75v9 - Children Who Have Dental Decay or Cavities

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Removed the following value sets from the measure: Office Visit (2.16.840.1.113883.3.464.1003.101.12.1001), Preventive Care Services - Established Office Visit, 18 and Up (2.16.840.1.113883.3.464.1003.101.12.1025), Preventive Care Services, Initial Office Visit, 0 to 17 (2.16.840.1.113883.3.464.1003.101.12.1022), Preventive Care Services-Initial Office Visit, 18 and Up (2.16.840.1.113883.3.464.1003.101.12.1023), and Preventive Care, Established Office Visit, 0 to 17 (2.16.840.1.113883.3.464.1003.101.12.1024) to align with logic changes based on changes in measure requirements/measure specification.	Value Set	Terminology	Measure Lead

CMS90v10 - Functional Status Assessments for Congestive Heart Failure

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated clinical recommendation statement to align with updated clinical guidelines.	Header	Clinical Recommendation Statement	Measure Lead
Updated clinical recommendation statement to define Veterans RAND 12-Item Health Survey (VR-12), Patient-Reported Outcomes Measurement Information System (PROMIS), and Knee Injury and Osteoarthritis Outcome Score (KOOS) assessment types.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated Guidance to use the same functional status assessment (FSA) instrument for the initial and follow-up assessments to promote harmonization between CMS56, CMS66 and CMS90.	Header	Guidance	Measure Lead
Updated timing of congestive heart failure (CHF) diagnosis in the initial population logic so it overlaps before the Measurement Period to align with measure intent.	Logic	Initial Population	Measure Lead
Changed the timing of the encounter from the start of the measurement period to the end of the measurement period to eliminate the need to adjust the number of days for leap years.	Logic	Numerator	Measure Lead
Standardized the use of 'Follow Up' in definition names to promote harmonization between CMS56, CMS66 and CMS90.	Logic	Numerator	Measure Lead
Changed measurement period for the Veterans RAND 12 Item Health Survey (VR-12) to allow the initial functional status assessment (FSA) to occur prior to the measurement period when the encounter occurs within the first few days of the measurement period to align with measure intent.	Logic	Definitions	ONC Project Tracking System (Jira): CQM-3772
Changed the timing of the follow-up functional status assessment (FSA) in relation to the when the initial FSA is performed and not the encounter to improve alignment with the measure intent.	Logic	Definitions	ONC Project Tracking System (Jira): CQM-3787
Updated timing of congestive heart failure (CHF) diagnosis in the initial population logic so it overlaps before the Measurement Period to align with measure intent.	Logic	Definitions	Measure Lead
Added the 'Max' operator to ensure the time of the last assessment component is used in relation to other events (applicable for all assessment types) and improve alignment with measure intent.	Logic	Definitions	Measure Lead
Standardized the use of 'Follow Up' in definition names to promote harmonization between CMS56, CMS66 and CMS90.	Logic	Definitions	Measure Lead
Updated logic for follow-up assessments to relate the follow-up assessments to the initial assessment rather than the encounter to improve alignment with the measure intent.	Logic	Definitions	ONC Project Tracking System (Jira): CQM-3786
Updated logic for the Kansas City Cardiomyopathy Questionnaire (KCCQ) functional status assessment to allow reporting for the 6 domain subcategories or the total score to increase reportability.	Logic	Definitions	ONC Project Tracking System (Jira): CQM-3612
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definitions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update

CMS90v10 - Functional Status Assessments for Congestive Heart Failure

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Replaced value set Severe Dementia (2.16.840.1.113883.3.526.3.1025) with direct reference code SNOMED CT Code (428351000124105) to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Measure Lead
Value set Heart Failure (2.16.840.1.113883.3.526.3.376): Deleted 24 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Removed direct reference code LOINC Code (72188-6) due to redundancy with other KCCQ summary components. Added direct reference codes LOINC Codes (72194-4, 71940-1) for the Kansas City Cardiomyopathy Questionnaire (KCCQ) functional status assessment to allow reporting for the 6 domain subcategories or the total score to increase reportability.	Value Set	Terminology	Measure Lead

CMS117v9 - Childhood Immunization Status

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Revised to use 'Hib' instead of 'HiB' abbreviation to improve consistency and accuracy.	Header	Description	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated the Rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Revised to use 'Hib' instead of 'HiB' abbreviation to improve consistency and accuracy.	Header	Clinical Recommendation Statement	Measure Lead
Updated the Clinical Recommendations Statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Updated the guidance to remove 'conjugate' and 'VZV' and add 'Varicella' for additional clarification.	Header	Guidance	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Revised to use 'Hib' instead of 'HiB' abbreviation to improve consistency and accuracy.	Header	Guidance	Measure Lead
Revised to use 'Hib' instead of 'HiB' abbreviation to improve consistency and accuracy.	Logic	Numerator	Measure Lead
Revised to use 'Hib' instead of 'HiB' abbreviation to improve consistency and accuracy.	Logic	Definitions	Measure Lead
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Definitions	Standards Update
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definitions	Measure Lead
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Functions	Standards Update
CQL Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set (2.16.840.1.113883.3.464.1003.120.12.1003): Deleted 15 SNOMED CT codes based on terminology update.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.464.1003.110.12.1083): Renamed to Hib Vaccine (3 dose schedule).	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.464.1003.110.12.1084): Renamed to Hib Vaccine (3 dose schedule) Administered.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.464.1003.110.12.1085): Renamed to Hib Vaccine (4 dose schedule).	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.464.1003.110.12.1086): Renamed to Hib Vaccine (4 dose schedule) Administered.	Value Set	Terminology	Annual Update

CMS122v9 - Diabetes: Hemoglobin A1c (HbA1c) Poor Control (> 9%)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated the clinical recommendations statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated denominator exclusions to add the word 'consecutive' to clarify that the Long-Term Illness (LTI) exclusion should be for 90 consecutive days.	Header	Denominator Exclusions	Measure Lead
Updated denominator exclusion logic for frailty and clarified that the long-term illness exclusion should be for 90 'consecutive' days to reduce ambiguity.	Logic	Denominator Exclusions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Adult_Outpatient_Encounters Library (Adult_Outpatient_Encounters-1.3.000).	Logic	Multiple Sections	Measure Lead
CQL Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL Library version number of the advanced illness and frailty exclusion library (AdvancedIllnessandFrailtyExclusionECQM-5.5.000).	Logic	Multiple Sections	Measure Lead
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Diabetes (2.16.840.1.113883.3.464.1003.12.1001): Deleted 3 SNOMED CT codes (314772004, 421164006, 314894004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Removed extensional value set Frailty Device (2.16.840.1.113883.3.464.1003.118.11.1114) with HCPCS codes from the grouping and added Frailty Device SNOMED (2.16.840.1.113883.3.464.1003.118.11.1220) with SNOMED CT codes to the grouping to align with recommended terminology.	Value Set	Terminology	Annual Update
Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Deleted 4 SNOMED CT codes (267031002, 272060000, 272062008, 314109004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update

CMS122v9 - Diabetes: Hemoglobin A1c (HbA1c) Poor Control (> 9%)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Deleted 1 SNOMED CT code (2876009) based on terminology update.	Value Set	Terminology	Annual Update

CMS124v9 - Cervical Cancer Screening

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated description to remove cytology and co-testing for women age 30-64 and to replace 'every' for 'within the last' to align with updated clinical recommendations.	Header	Description	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated the clinical recommendations statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated numerator to remove Pap test requirement and allow Human papillomavirus (HPV) testing alone every 5 years, to align with updated clinical recommendations.	Header	Numerator	ONC Project Tracking System (Jira): CQM-3725
Updated numerator to remove Pap test requirement and allow Human papillomavirus (HPV) testing alone every 5 years, to align with updated clinical recommendations.	Logic	Numerator	ONC Project Tracking System (Jira): CQM-3725
Added a new definition for an 'Absence of Cervix' to account for a congenital absence of cervix.	Logic	Definitions	Measure Lead
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definitions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Hysterectomy with No Residual Cervix (2.16.840.1.113883.3.464.1003.198.12.1014): Deleted 1 CPT code (56308) based on terminology updates. Deleted 9 ICD-10-PCS codes (0UT90ZZ, 0UT94ZL, 0UT94ZZ, 0UT97ZZ, 0UT98ZZ, 0UT97ZL, 0UT98ZL, 0UT9FZL, 0UT9FZZ) as these codes are not specific to the cervix. Added 2 ICD-10-CM codes (Z90.710, Z90.712) based on expert review and/or public feedback.	Value Set	Terminology	Measure Lead

CMS125v9 - Breast Cancer Screening

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated denominator exclusions to add the word 'consecutive' to clarify that the Long-Term Illness (LTI) exclusion should be for 90 consecutive days.	Header	Denominator Exclusions	Measure Lead
Removed: or (Count('Unilateral Mastectomy Procedure')= 2) from the logic to allow women with one unilateral mastectomy to be excluded.	Logic	Denominator Exclusions	Measure Lead
Updated denominator exclusion logic for frailty and clarified that the long-term illness exclusion should be for 90 'consecutive' days to reduce ambiguity.	Logic	Denominator Exclusions	Measure Lead
Updated encounters to occur 'on or' before the end of the measurement period to improve clarity.	Logic	Definitions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Adult_Outpatient_Encounters Library (Adult_Outpatient_Encounters-1.3.000).	Logic	Multiple Sections	Measure Lead
CQL Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL Library version number of the advanced illness and frailty exclusion library (AdvancedIllnessandFrailtyExclusionECQM-5.5.000).	Logic	Multiple Sections	Measure Lead
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Removed extensional value set Frailty Device (2.16.840.1.113883.3.464.1003.118.11.1114) with HCPCS codes from the grouping and added Frailty Device SNOMED (2.16.840.1.113883.3.464.1003.118.11.1220) with SNOMED CT codes to the grouping to align with recommended terminology.	Value Set	Terminology	Annual Update
Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Deleted 4 SNOMED CT codes (267031002, 272060000, 272062008, 314109004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Value set Mammography (2.16.840.1.113883.3.464.1003.108.12.1018): Deleted 1 LOINC code (38067-5) based on terminology update.	Value Set	Terminology	Annual Update
Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Deleted 1 SNOMED CT code (2876009) based on terminology update.	Value Set	Terminology	Annual Update

CMS125v9 - Breast Cancer Screening

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Unilateral Mastectomy (2.16.840.1.113883.3.464.1003.198.12.1020): Removed Unilateral Mastectomy to not allow women with one unilateral mastectomy to be excluded.	Value Set	Terminology	Annual Update
Replaced Value set Right (2.16.840.1.113883.3.464.1003.122.12.1035) with direct reference code SNOMED CT Code Right (qualifier value) (24028007) based on terminology update and to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Annual Update
Replaced Value set Left (2.16.840.1.113883.3.464.1003.122.12.1036) with direct reference code SNOMED CT Code Left (qualifier value) (7771000) based on terminology update and to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Annual Update

CMS127v9 - Pneumococcal Vaccination Status for Older Adults

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Definitions	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Functions	Standards Update
CQL Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update

CMS128v9 - Anti-depressant Medication Management

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated the clinical recommendations statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Definitions	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Functions	Standards Update
CQL Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Psych Visit - Diagnostic Evaluation (2.16.840.1.113883.3.526.3.1492): Deleted 1 SNOMED CT code (32537008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Measure Lead

CMS129v10 - Prostate Cancer: Avoidance of Overuse of Bone Scan for Staging Low Risk Prostate Cancer Patients

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated clinical recommendation statement citation to reflect updated guideline year.	Header	Clinical Recommendation Statement	Measure Lead
Updated reference to reflect updated guideline year.	Header	Reference	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
Value set Prostate Cancer (2.16.840.1.113883.3.526.3.319): Deleted 1 ICD-9-CM code (185). Removed ICD-9-CM codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Prostate Cancer Treatment (2.16.840.1.113883.3.526.3.398): Deleted 1 SNOMED CT code (176286004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Pain Related to Prostate Cancer (2.16.840.1.113883.3.526.3.451): Deleted 9 ICD-9-CM codes (338.3, 724.1, 724.5, 724.6, 724.79, 733.90, 786.50, 786.59, 789.00). Removed ICD-9-CM codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead

CMS130v9 - Colorectal Cancer Screening

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated guidance to spell out digital rectal exam (DRE) and fecal occult blood test (FOBT) to improve clarity.	Header	Guidance	Measure Lead
Added 'Exclude' to denominator exclusions to improve clarity.	Header	Denominator Exclusions	Measure Lead
Updated denominator exclusions to add the word 'consecutive' to clarify that the Long-Term Illness (LTI) exclusion should be for 90 consecutive days.	Header	Denominator Exclusions	Measure Lead
Updated denominator exclusion logic for frailty and clarified that the long-term illness exclusion should be for 90 'consecutive' days to reduce ambiguity.	Logic	Denominator Exclusions	Measure Lead
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
CQL Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
CQL Library version update: Updated version number of the Adult_Outpatient_Encounters Library (Adult_Outpatient_Encounters-1.3.000).	Logic	Multiple Sections	Measure Lead
Updated CQL Library version number of the advanced illness and frailty exclusion library (AdvancedIllnessandFrailtyExclusionECQM-5.5.000).	Logic	Multiple Sections	Measure Lead
Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Deleted 4 SNOMED CT codes (267031002, 272060000, 272062008, 314109004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Deleted 1 SNOMED CT code (2876009) based on terminology update.	Value Set	Terminology	Annual Update
Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Removed extensional value set Frailty Device (2.16.840.1.113883.3.464.1003.118.11.1114) with HCPCS codes from the grouping and added Frailty Device SNOMED (2.16.840.1.113883.3.464.1003.118.11.1220) with SNOMED CT codes to the grouping to align with recommended terminology.	Value Set	Terminology	Annual Update

CMS130v9 - Colorectal Cancer Screening

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Colonoscopy (2.16.840.1.113883.3.464.1003.108.12.1020): Deleted 5 CPT codes (44393, 44397, 45355, 45383, 45387) based on terminology update.	Value Set	Terminology	Annual Update
Value set Malignant Neoplasm of Colon (2.16.840.1.113883.3.464.1003.108.12.1001): Deleted 1 SNOMED CT code (187758006) based on terminology update.	Value Set	Terminology	Annual Update
Value set Total Colectomy (2.16.840.1.113883.3.464.1003.198.12.1019): Deleted 2 CPT codes (44152, 44153) based on terminology update.	Value Set	Terminology	Annual Update

CMS131v9 - Diabetes: Eye Exam

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated the clinical recommendations statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Updated denominator exclusions to add the word 'consecutive' to clarify that the Long-Term Illness (LTI) exclusion should be for 90 consecutive days.	Header	Denominator Exclusions	Measure Lead
Updated denominator exclusion logic for frailty and clarified that the long-term illness exclusion should be for 90 'consecutive' days to reduce ambiguity.	Logic	Denominator Exclusions	Measure Lead
Updated CQL Library version number of the advanced illness and frailty exclusion library (AdvancedIllnessandFrailtyExclusionECQM-5.5.000).	Logic	Multiple Sections	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Value set Diabetes (2.16.840.1.113883.3.464.1003.103.12.1001): Deleted 3 SNOMED CT codes (314772004, 421164006, 314894004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Deleted 4 SNOMED CT codes (267031002, 272060000, 272062008, 314109004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Value set Diabetic Retinopathy (2.16.840.1.113883.3.526.3.327): Deleted 6 ICD-9-CM codes (362.01, 362.02, 362.03, 362.04, 362.05, 362.06). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Deleted 1 SNOMED CT code (2876009) based on terminology update.	Value Set	Terminology	Annual Update

CMS131v9 - Diabetes: Eye Exam

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Removed extensional value set Frailty Device (2.16.840.1.113883.3.464.1003.118.11.1114) with HCPCS codes from the grouping and added Frailty Device SNOMED (2.16.840.1.113883.3.464.1003.118.11.1220) with 22 SNOMED CT codes to the grouping to align with recommended terminology.	Value Set	Terminology	Annual Update

CMS133v9 - Cataracts: 20/40 or Better Visual Acuity within 90 Days Following Cataract Surgery

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Revised in-text citations used within rationale to align with updated guideline and American Psychological Association (APA) formatting.	Header	Rationale	Measure Lead
Updated references to align with updated guideline and APA formatting.	Header	Reference	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Revised guidance to remove reference to ICD-9-CM as this terminology is no longer included in the technical specifications.	Header	Guidance	Measure Lead
Added new data element to capture best-corrected visual acuity using the Snellen chart.	Logic	Numerator	Measure Lead
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Definitions	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Functions	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Best Corrected Visual Acuity Exam Using Snellen Chart (2.16.840.1.113883.3.526.3.1560): Added Best Corrected Visual Acuity Exam Using Snellen Chart to allow an alternative method to capture an exam commonly used in clinical practice.	Value Set	Multiple Sections	Measure Lead
Value set Acute and Subacute Iridocyclitis (2.16.840.1.113883.3.526.3.1241): Deleted 6 ICD-9-CM codes (364.00, 364.01, 364.02, 364.03, 364.04, 364.05). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Burn Confined to Eye and Adnexa (2.16.840.1.113883.3.526.3.1409): Deleted 15 SNOMED CT codes based on terminology update. Deleted 7 ICD-9-CM codes (940.0, 940.1, 940.2, 940.3, 940.4, 940.5, 940.9). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Cataract Secondary to Ocular Disorders (2.16.840.1.113883.3.526.3.1410): Added 3 SNOMED CT codes (15738241000119106, 15738281000119101, 15738321000119106) and deleted 2 SNOMED CT codes (23273003, 766837000) based on terminology update. Deleted 2 ICD-9-CM codes (366.32, 366.33). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update

CMS133v9 - Cataracts: 20/40 or Better Visual Acuity within 90 Days Following Cataract Surgery

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Certain Types of Iridocyclitis (2.16.840.1.113883.3.526.3.1415): Deleted 5 ICD-9-CM codes (364.21, 364.22, 364.23, 364.24, 364.3). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 4 SNOMED CT codes (15678641000119101, 15678681000119106, 15678761000119105, 15678801000119102) based on terminology update.	Value Set	Terminology	Annual Update
Value set Chronic Iridocyclitis (2.16.840.1.113883.3.526.3.1416): Deleted 2 ICD-9-CM codes (364.10, 364.11). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Cloudy Cornea (2.16.840.1.113883.3.526.3.1417): Deleted 4 ICD-9-CM codes (371.01, 371.02, 371.03, 371.04). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 1 SNOMED CT code (64634000) based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Corneal Edema (2.16.840.1.113883.3.526.3.1418): Deleted 6 ICD-9-CM codes (371.20, 371.21, 371.22, 371.23, 371.43, 371.44). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 2 SNOMED CT codes (678991000119103, 679011000119100) based on terminology update.	Value Set	Terminology	Annual Update
Value set Corneal Opacity and Other Disorders of Cornea (2.16.840.1.113883.3.526.3.1419): Deleted 3 ICD-9-CM codes (371.00, 371.03, 371.04). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 5 SNOMED CT codes (15999271000119108, 15999311000119108, 15999351000119109, 204148008, 370505008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Hereditary Corneal Dystrophies (2.16.840.1.113883.3.526.3.1424): Deleted 9 ICD-9-CM codes (371.50, 371.51, 371.52, 371.53, 371.54, 371.55, 371.56, 371.57, 371.58). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Injury to Optic Nerve and Pathways (2.16.840.1.113883.3.526.3.1427): Deleted 5 ICD-9-CM codes (950.0, 950.1, 950.2, 950.3, 950.9). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 6 SNOMED CT codes (735649003, 736321008, 762362006, 762363001, 762436001, 762617003) based on terminology update.	Value Set	Terminology	Annual Update
Value set Central Corneal Ulcer (2.16.840.1.113883.3.526.3.1428): Deleted 1 ICD-9-CM code (370.03). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 3 SNOMED CT codes (332801000119108, 338411000119106, 344181000119103) based on terminology update.	Value Set	Terminology	Annual Update

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Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Open Wound of Eyeball (2.16.840.1.113883.3.526.3.1430): Deleted 10 ICD-9-CM codes (871.0, 871.1, 871.2, 871.3, 871.4, 871.5, 871.6, 871.7, 871.9, 921.3). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Deleted 1 SNOMED CT code (210284008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Pathologic Myopia (2.16.840.1.113883.3.526.3.1432): Deleted 2 ICD-9-CM codes (360.20, 360.21). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 1 SNOMED CT code (16320791000119106) based on terminology update. Added 1 ICD-10-CM code (H44.2E3) based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Uveitis (2.16.840.1.113883.3.526.3.1444): Added 7 SNOMED CT codes (231947004, 336541000119107, 342151000119100, 347311000119100, 733317009, 314429009, 766933000) and deleted 1 SNOMED CT code (416491000) based on terminology update. Deleted 2 ICD-9-CM codes (360.11, 360.12). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Visual Field Defects (2.16.840.1.113883.3.526.3.1446): Deleted 1 ICD-9-CM code (368.41). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Amblyopia (2.16.840.1.113883.3.526.3.1448): Deleted 4 ICD-9-CM codes (368.00, 368.01, 368.02, 368.03). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 5 SNOMED CT codes (331961000119108, 332701000119101, 337581000119100, 338311000119102, 344081000119104) based on terminology update.	Value Set	Terminology	Annual Update
Value set Choroidal Degenerations (2.16.840.1.113883.3.526.3.1450): Deleted 1 ICD-9-CM code (363.43). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Choroidal Detachment (2.16.840.1.113883.3.526.3.1451): Deleted 1 ICD-9-CM code (363.72). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 6 ICD-10-CM codes (H31.401, H31.402, H31.403, H31.421, H31.422, H31.423) based on expert review and/or public feedback. Added 1 SNOMED CT code (778049009) based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Choroidal Hemorrhage and Rupture (2.16.840.1.113883.3.526.3.1452): Deleted 3 ICD-9-CM codes (363.61, 363.62, 363.63). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update

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Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Degenerative Disorders of Globe (2.16.840.1.113883.3.526.3.1454): Deleted 5 ICD-9-CM codes (360.20, 360.21, 360.23, 360.24, 360.29). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 1 ICD-10-CM code (H44.2E3) based on expert review and/or public feedback. Added 3 SNOMED CT codes (231918006, 231919003, 25277000) based on identification of additional relevant codes within the terminology.	Value Set	Terminology	Annual Update
Value set Disorders of Optic Chiasm (2.16.840.1.113883.3.526.3.1457): Deleted 4 ICD-9-CM codes (377.51, 377.52, 377.53, 377.54). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 1 SNOMED CT code (703429003) and deleted 1 SNOMED CT code (50595002) based on terminology update.	Value Set	Terminology	Annual Update
Value set Disorders of Visual Cortex (2.16.840.1.113883.3.526.3.1458): Deleted 1 ICD-9-CM code (377.75). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Deleted 3 SNOMED CT codes (43727009, 55456003, 57441008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Disseminated Chorioretinitis and Disseminated Retinochoroiditis (2.16.840.1.113883.3.526.3.1459): Deleted 6 ICD-9-CM codes (363.10, 363.11, 363.12, 363.13, 363.14, 363.15). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Focal Chorioretinitis and Focal Retinochoroiditis (2.16.840.1.113883.3.526.3.1460): Deleted 8 ICD-9-CM codes (363.00, 363.01, 363.03, 363.04, 363.05, 363.06, 363.07, 363.08). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Glaucoma Associated with Congenital Anomalies, Dystrophies, and Systemic Syndromes (2.16.840.1.113883.3.526.3.1461): Deleted 15 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Hereditary Choroidal Dystrophies (2.16.840.1.113883.3.526.3.1462): Deleted 8 ICD-9-CM codes (363.50, 363.51, 363.52, 363.53, 363.54, 363.55, 363.56, 363.57). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 1 SNOMED CT code (314467007) for alignment with ICD-10 value set. based on identification of additional relevant codes within the terminology.	Value Set	Terminology	Annual Update
Value set Hereditary Retinal Dystrophies (2.16.840.1.113883.3.526.3.1463): Deleted 7 ICD-9-CM codes (362.70, 362.71, 362.72, 362.73, 362.74, 362.75, 362.76). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update

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Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Nystagmus and Other Irregular Eye Movements (2.16.840.1.113883.3.526.3.1465): Deleted 10 ICD-9-CM codes (379.50, 379.51, 379.52, 379.53, 379.54, 379.55, 379.56, 379.57, 379.58, 379.59). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Optic Atrophy (2.16.840.1.113883.3.526.3.1466): Deleted 7 ICD-9-CM codes (377.10, 377.11, 377.12, 377.13, 377.14, 377.15, 377.16). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Deleted 1 SNOMED CT code (718221007) based on terminology update.	Value Set	Terminology	Annual Update
Value set Optic Neuritis (2.16.840.1.113883.3.526.3.1467): Deleted 6 ICD-9-CM codes (377.30, 377.31, 377.32, 377.33, 377.34, 377.39). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Other and Unspecified Forms of Chorioretinitis and Retinochoroiditis (2.16.840.1.113883.3.526.3.1468): Deleted 3 ICD-9-CM codes (363.20, 363.21, 363.22). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Other Background Retinopathy and Retinal Vascular Changes (2.16.840.1.113883.3.526.3.1469): Deleted 3 ICD-9-CM codes (362.12, 362.16, 362.18). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Other Disorders of Optic Nerve (2.16.840.1.113883.3.526.3.1471): Deleted 1 ICD-9-CM code (377.41). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 3 SNOMED CT codes (334651000119101, 340251000119108, 345611000119102) based on terminology update.	Value Set	Terminology	Annual Update
Value set Other Endophthalmitis (2.16.840.1.113883.3.526.3.1473): Deleted 5 ICD-9-CM codes (360.11, 360.12, 360.13, 360.14, 360.19). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 5 SNOMED CT codes (766933000, 231992006, 333391000119101, 339001000119107, 344751000119109) based on terminology update.	Value Set	Terminology	Annual Update
Value set Prior Penetrating Keratoplasty (2.16.840.1.113883.3.526.3.1475): Deleted 3 ICD-9-CM codes (371.60, 371.61, 371.62). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 5 SNOMED CT codes (334571000119106, 340171000119105, 345531000119108, 348371000119109, 348821000119101) based on terminology update.	Value Set	Terminology	Annual Update

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Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Purulent Endophthalmitis (2.16.840.1.113883.3.526.3.1477): Deleted 5 ICD-9-CM codes (360.00, 360.01, 360.02, 360.03, 360.04). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 2 SNOMED CT codes (348381000119107, 348831000119103) based on terminology update.	Value Set	Terminology	Annual Update
Value set Retinal Detachment with Retinal Defect (2.16.840.1.113883.3.526.3.1478): Deleted 8 ICD-9-CM codes (361.00, 361.01, 361.02, 361.03, 361.04, 361.05, 361.06, 361.07). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Other Proliferative Retinopathy (2.16.840.1.113883.3.526.3.1480): Deleted 8 ICD-9-CM codes (362.20, 362.21, 362.22, 362.23, 362.24, 362.25, 362.26, 362.27). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 12 SNOMED CT codes based on terminology update.	Value Set	Terminology	Annual Update
Value set Scleritis and Episcleritis (2.16.840.1.113883.3.526.3.1481): Deleted 5 ICD-9-CM codes (379.04, 379.05, 379.06, 379.07, 379.09). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Deleted 1 SNOMED CT code (231875003) based on terminology update.	Value Set	Terminology	Annual Update
Value set Separation of Retinal Layers (2.16.840.1.113883.3.526.3.1482): Deleted 3 ICD-9-CM codes (362.41, 362.42, 362.43). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Degeneration of Macula and Posterior Pole (2.16.840.1.113883.3.526.3.1453): Deleted 8 ICD-9-CM codes (362.50, 362.51, 362.52, 362.53, 362.54, 362.55, 362.56, 362.57). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Diabetic Macular Edema (2.16.840.1.113883.3.526.3.1455): Deleted 1 ICD-9-CM code (362.07). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 2 SNOMED CT codes (769219006, 769220000) based on identification of additional relevant codes within the terminology.	Value Set	Terminology	Annual Update
Value set Retinal Vascular Occlusion (2.16.840.1.113883.3.526.3.1479): Deleted 4 ICD-9-CM codes (362.31, 362.32, 362.35, 362.36). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 6 SNOMED CT codes (336191000119105, 341801000119101, 677781000119104, 677791000119101, 677821000119109, 677831000119107) based on terminology update.	Value Set	Terminology	Annual Update

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Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Diabetic Retinopathy (2.16.840.1.113883.3.526.3.327): Deleted 6 ICD-9-CM codes (362.01, 362.02, 362.03, 362.04, 362.05, 362.06). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Glaucoma (2.16.840.1.113883.3.526.3.1423): Added 2 SNOMED CT codes (787051000, 787052007) and deleted 2 SNOMED CT codes (12239341000119100, 12239381000119105) based on terminology update. Deleted 26 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Cataract, Congenital (2.16.840.1.113883.3.526.3.1412): Deleted 3 SNOMED CT codes (204130004, 268159001, 63912009) based on terminology update. Deleted 1 ICD-9-CM code (743.30). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Cataract, Mature or Hypermature (2.16.840.1.113883.3.526.3.1413): Deleted 1 ICD-9-CM code (366.9). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 4 SNOMED CT codes (217791000119107, 347461000119107, 347521000119103, 347581000119104) based on terminology update.	Value Set	Terminology	Annual Update
Value set Cataract, Posterior Polar (2.16.840.1.113883.3.526.3.1414): Deleted 1 ICD-9-CM code (743.31). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 6 SNOMED CT codes (1078791000119109, 1078801000119105, 335831000119107, 341441000119102, 346691000119104, 347561000119108) based on terminology update.	Value Set	Terminology	Annual Update
Value set Hypotony of Eye (2.16.840.1.113883.3.526.3.1426): Deleted 5 ICD-9-CM codes (360.30, 360.31, 360.32, 360.33, 360.34). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Posterior Lenticonus (2.16.840.1.113883.3.526.3.1433): Deleted 1 ICD-9-CM code (743.36). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 4 SNOMED CT codes (204134008, 418653000, 419544009, 773690008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Retrolental Fibroplasias (2.16.840.1.113883.3.526.3.1438): Deleted 1 ICD-9-CM code (362.21). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 12 SNOMED CT codes based on terminology update.	Value Set	Terminology	Annual Update
Value set Traumatic Cataract (2.16.840.1.113883.3.526.3.1443): Deleted 4 ICD-9-CM codes (366.20, 366.21, 366.22, 366.23). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update

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Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Vascular Disorders of Iris and Ciliary Body (2.16.840.1.113883.3.526.3.1445): Deleted 1 ICD-9-CM code (364.42). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 3 SNOMED CT codes (678191000119101, 678201000119103, 678211000119100) based on terminology update.	Value Set	Terminology	Annual Update
Value set Morgagnian Cataract (2.16.840.1.113883.3.526.3.1558): Deleted 1 ICD-9-CM code (366.18). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Macular Scar of Posterior Polar (2.16.840.1.113883.3.526.3.1559): Deleted 2 ICD-9-CM codes (363.32, 363.33). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 1 SNOMED CT code (774010000) and deleted 1 SNOMED CT code (15631571000119102) based on terminology update.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead

CMS134v9 - Diabetes: Medical Attention for Nephropathy

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated the clinical recommendations statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated denominator exclusions to add the word 'consecutive' to clarify that the Long-Term Illness (LTI) exclusion should be for 90 consecutive days.	Header	Denominator Exclusions	Measure Lead
Updated denominator exclusion logic for frailty and clarified that the long-term illness exclusion should be for 90 'consecutive' days to reduce ambiguity.	Logic	Denominator Exclusions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Adult_Outpatient_Encounters Library (Adult_Outpatient_Encounters-1.3.000).	Logic	Multiple Sections	Measure Lead
CQL Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL Library version number of the advanced illness and frailty exclusion library (AdvancedIllnessandFrailtyExclusionECQM-5.5.000).	Logic	Multiple Sections	Measure Lead
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Proteinuria (2.16.840.1.113883.3.526.3.1003): Deleted 1 ICD-9-CM code (791.0) Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.526.3.1139): Renamed to ACE Inhibitor or ARB or ARNI. Revised value set name and purpose statement (Clinical Focus) to be consistent with value set intent.	Value Set	Terminology	Annual Update
Value set ACE Inhibitor or ARB or ARNI (2.16.840.1.113883.3.526.3.1139): Deleted 1 RxNorm code (249851) based on terminology update.	Value Set	Terminology	Annual Update
Value set Vascular Access for Dialysis (2.16.840.1.113883.3.464.1003.109.12.1011): Deleted 2 CPT codes (36147, 36148) based on terminology update.	Value Set	Terminology	Annual Update
Value set Glomerulonephritis and Nephrotic Syndrome (2.16.840.1.113883.3.464.1003.109.12.1018): Deleted 11 SNOMED CT codes (197577008, 197699008, 197700009, 197701008, 197702001, 197703006, 197704000, 197705004, 197706003, 236420000, 236437007) based on terminology update.	Value Set	Terminology	Annual Update

CMS134v9 - Diabetes: Medical Attention for Nephropathy

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Diabetes (2.16.840.1.113883.3.464.1003.103.12.1001): Deleted 3 SNOMED CT codes (314772004, 421164006, 314894004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Removed extensional value set Frailty Device (2.16.840.1.113883.3.464.1003.118.11.1114) with HCPCS codes from the grouping and added Frailty Device SNOMED (2.16.840.1.113883.3.464.1003.118.11.1220) with SNOMED CT codes to the grouping to align with recommended terminology.	Value Set	Terminology	Annual Update
Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Deleted 4 SNOMED CT codes (267031002, 272060000, 272062008, 314109004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Deleted 1 SNOMED CT code (2876009) based on terminology update.	Value Set	Terminology	Annual Update
Value Set Dialysis Services (2.16.840.1.113883.3.464.1003.109.12.1013): Deleted 4 CPT codes (90920, 90921, 90924, 90925) based on terminology update.	Value Set	Terminology	Annual Update

CMS135v9 - Heart Failure (HF): Angiotensin-Converting Enzyme (ACE) Inhibitor or Angiotensin Receptor Blocker (ARB) or Angiotensin Receptor-Nepriylsin Inhibitor (ARNI) Therapy for Left Ventricular Systolic Dysfunction (LVSD)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated rationale to align with most recent National Quality Forum (NQF) submission.	Header	Rationale	Measure Lead
Updated clinical recommendation statement to align with verbatim language included in the guideline.	Header	Clinical Recommendation Statement	Measure Lead
Updated references to align with American Psychological Association (APA) formatting.	Header	Reference	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated guidance statement related to the two visit requirement to specify its applicability to Population Criteria 1.	Header	Guidance	Measure Lead
Added new data elements using the Allergy/Intolerance QDM category and datatype to capture sacubitril ingredient and other substances related to ACE inhibitor, ARB and ARNI as potential allergens to align with measure intent and interoperability standards.	Logic	Denominator Exceptions	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Revised Clinical Quality Language (CQL) definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL definition names and aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Added 4 direct reference codes SNOMED CT (372913009, 372733002, 786886009) and RX Norm (1656328) based on expert review and/or public feedback to align with interoperability standards.	Value Set	Terminology	Measure Lead
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.	Value Set	Terminology	Annual Update

CMS135v9 - Heart Failure (HF): Angiotensin-Converting Enzyme (ACE) Inhibitor or Angiotensin Receptor Blocker (ARB) or Angiotensin Receptor-Nepriylsin Inhibitor (ARNI) Therapy for Left Ventricular Systolic Dysfunction (LVSD)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Medical Reason (2.16.840.1.113883.3.526.3.1007): Deleted 5 SNOMED CT codes (216952002, 274512008, 371133007, 416406003, 445528004) based on expert review and/or public feedback. Removed codes due to intent of concepts which do not indicate a medical contraindication, but rather a provider decision to discontinue something or change a course of treatment.	Value Set	Terminology	Annual Update
Value set Patient Provider Interaction (2.16.840.1.113883.3.526.3.1012): Deleted 1 SNOMED CT code (11797002) based on terminology update.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.526.3.1139): Renamed to ACE Inhibitor or ARB or ARNI. Revised value set name and purpose statement (Clinical Focus) to be consistent with value set intent.	Value Set	Terminology	Annual Update
Value set ACE Inhibitor or ARB or ARNI (2.16.840.1.113883.3.526.3.1139): Deleted 1 RxNorm code (249851) based on terminology update.	Value Set	Terminology	Annual Update
Value set Heart Failure (2.16.840.1.113883.3.526.3.376): Deleted 24 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Pregnancy (2.16.840.1.113883.3.526.3.378): Added 53 SNOMED CT codes based on terminology update, and deleted 1 SNOMED CT code (199715003) based on expert review and/or public feedback to align with value set intent. Added 2 ICD-10-CM codes (O00.00, O00.01) based on terminology update.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period. .	Value Set	Terminology	Annual Update

CMS136v10 - Follow-Up Care for Children Prescribed ADHD Medication (ADD)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Definitions	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Functions	Standards Update
CQL Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
QDM v5.5 standards update: Removed the 'ordinality' and 'principal diagnosis' attributes, added 'rank' as an attribute.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the MAT Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Behavioral Health Follow-up Visit (2.16.840.1.113883.3.464.1003.101.12.1054): Deleted 5 CPT codes (96150, 96151, 96152, 96153, 96154) based on terminology update.	Value Set	Terminology	Annual Update
Value set Psych Visit - Diagnostic Evaluation (2.16.840.1.113883.3.526.3.1492): Deleted 1 SNOMED CT code (32537008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Telehealth Services (2.16.840.1.113883.3.464.1003.101.12.1031): Deleted 2 CPT codes (98969, 99444) based on terminology update.	Value Set	Terminology	Annual Update
Replaced the Discharge Services- Observation Care value set (2.16.840.1.113883.3.464.1003.101.12.1039) with a direct reference CPT code (99217) to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Annual Update

CMS137v9 - Initiation and Engagement of Alcohol and Other Drug Dependence Treatment

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated the clinical recommendations statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Updated the definition to change the intake period from November 13 to November 14 to ensure all services can occur before the measurement period ends.	Header	Definition	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Added 'Exclude' in the first line of the denominator exclusions statement to be consistent with wording of other exclusions.	Header	Denominator Exceptions	Measure Lead
Changed 'start of 'Measurement Period') in Interval[13,17]' to 'end of 'Measurement Period') in Interval[13, 17]' to capture patients age 17 at the end of the measurement period and align with measure intent.	Logic	Denominator	Measure Lead
Changed the period within which the 'Initial Dependence Diagnosis' must occur to ensure all services can occur before the measurement period ends.	Logic	Numerator	Measure Lead
Revised aliases to better differentiate medication treatment from intervention treatment to align with style conventions.	Logic	Numerator	Measure Lead
Added 'day of' timing to the Dependence Treatment Intervention Initiated logic definition for added clarity.	Logic	Definitions	Measure Lead
Revised aliases to better differentiate medication treatment from intervention treatment to align with style conventions.	Logic	Definitions	Measure Lead
Updated the definition to change the intake period from November 13 to November 14 to ensure all services can occur before the measurement period ends.	Logic	Definitions	Measure Lead
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Definitions	Standards Update
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definitions	Measure Lead
Updated CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Functions	Standards Update
CQL Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Opiate Antagonists (2.16.840.1.113883.3.464.1003.198.12.1132): Deleted 10 ICD-10-PCS codes (HZ90ZZZ, HZ91ZZZ, HZ92ZZZ, HZ93ZZZ, HZ94ZZZ, HZ95ZZZ, HZ96ZZZ, HZ97ZZZ, HZ98ZZZ, HZ99ZZZ). Added 29 RxNorm codes. Removed ICD-10-PCS codes from the grouping value set and replaced them with RxNorm codes, as that is the recommended terminology.	Value Set	Terminology	Measure Lead

CMS137v9 - Initiation and Engagement of Alcohol and Other Drug Dependence Treatment

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Telehealth Services (2.16.840.1.113883.3.464.1003.101.12.1031): Deleted 2 CPT codes (98969, 99444) based on terminology update.	Value Set	Terminology	Annual Update

CMS138v9 - Preventive Care and Screening: Tobacco Use: Screening and Cessation Intervention

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Revised description to reflect a reduced timeframe for screening a patient for tobacco use and providing an intervention, as appropriate, based upon external and clinical expert feedback.	Header	Description	Expert Work Group Review
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated reference to align with American Psychological Association (APA) formatting.	Header	Reference	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Reordered guidance statements to follow the order in which they will need to be considered for implementation with the goal of improving clarity and understanding of the measure intent.	Header	Guidance	Measure Lead
Revised guidance to reflect a reduced timeframe for screening a patient for tobacco use, based upon external and clinical expert feedback, including how to handle multiple screenings during that timeframe.	Header	Guidance	Expert Work Group Review
Revised numerator language to reflect a reduced timeframe for: screening a patient for tobacco use (population 1) AND screening a patient for tobacco use and providing an intervention, as appropriate (population 3), based upon external and clinical expert feedback.	Header	Numerator	Expert Work Group Review
Added new data element to allow for Physical Therapy Evaluation as an eligible encounter, per specialty society request.	Logic	Initial Population	Measure Lead
Revised timeframe from 24 months to 12 months for tobacco use screening in population 2 denominator, based upon external and clinical expert feedback.	Logic	Denominator	Expert Work Group Review
Revised timeframe from 24 months to 12 months for tobacco use screening in the numerator for populations 1 and 3, based upon external and clinical expert feedback. Revised timing associated with performing a tobacco cessation intervention in the numerator for populations 2 and 3, to remove the constraint that these actions must occur after the most recent tobacco use screening during which the patient was identified as a tobacco user, and ties these actions to the measurement period.	Logic	Numerator	Expert Work Group Review
Added new data element to allow for Physical Therapy Evaluation as an eligible encounter, per specialty society request.	Logic	Definitions	Measure Lead
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Definitions	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Functions	Standards Update
Updated CQL definition names and aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update

CMS138v9 - Preventive Care and Screening: Tobacco Use: Screening and Cessation Intervention

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Medical Reason (2.16.840.1.113883.3.526.3.1007): Deleted 5 SNOMED CT codes (216952002, 274512008, 371133007, 416406003, 445528004) based on expert review and/or public feedback. Removed codes due to intent of concepts which do not indicate a medical contraindication, but rather a provider decision to discontinue something or change a course of treatment.	Value Set	Terminology	Annual Update
Value set Psych Visit - Diagnostic Evaluation (2.16.840.1.113883.3.526.3.1492): Deleted 1 SNOMED CT code (32537008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Physical Therapy Evaluation (2.16.840.1.113883.3.526.3.1022): Added Physical Therapy Evaluation based on expert review and/or public feedback.	Value Set	Terminology	Specialty Request
Replaced value set Health & Behavioral Assessment - Individual (2.16.840.1.113883.3.526.3.1020) with direct reference code CPT code (96156) to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Annual Update
Replaced value set Health and Behavioral Assessment - Initial (2.16.840.1.113883.3.526.3.1245) with direct reference code CPT code (96158) to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Annual Update
Replaced value set Health and Behavioral Assessment, Reassessment (2.16.840.1.113883.3.526.3.1529) with direct reference code CPT code (96156) to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Annual Update

CMS139v9 - Falls: Screening for Future Fall Risk

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Removed patient 'non-ambulatory' denominator exclusion to alleviate complications with identifying patients that are permanently 'non-ambulatory'.	Header	Denominator Exclusions	ONC Project Tracking System (Jira): CQM-3813
Removed patient 'non-ambulatory' denominator exclusion to alleviate complications with identifying patients that are permanently 'non-ambulatory'.	Logic	Denominator Exclusions	ONC Project Tracking System (Jira): CQM-3813
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Removed Patient Not Ambulatory value set (2.16.840.1.113883.3.464.1003.118.11.1010) based on expert review or public feedback.	Value Set	Terminology	ONC Project Tracking System (Jira): CQM-3813
Removed value set 'Ambulatory Status' (2.16.840.1.113883.3.464.1003.118.11.1219) based on expert review or public feedback.	Value Set	Terminology	Measure Lead
Added 3 CPT codes (99315, 99316, 99318) to the Nursing Facility Visits value set (2.16.840.1.113883.3.464.1003.101.12.1012) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Measure Lead

CMS142v9 - Diabetic Retinopathy: Communication with the Physician Managing Ongoing Diabetes Care

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Removed National Quality Forum (NQF) number as measure is no longer endorsed.	Header	NQF Number	Measure Lead
Removed endorsed by entity, as measure is no longer endorsed.	Header	Endorsed By	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated rationale to align with most recent NQF submission.	Header	Rationale	Measure Lead
Updated references to align with American Psychological Association (APA) formatting.	Header	Reference	Measure Lead
Revised guidance to remove reference to ICD-9-CM as this terminology is no longer included in the technical specification.	Header	Guidance	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Removed sender and recipient attributes for the Communication, Performed datatypes due to feedback related to the challenges with implementation.	Logic	Numerator	ONC Project Tracking System (Jira): CQM-3708
Revised Clinical Quality Language (CQL) definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Definitions	Measure Lead
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Revised CQL definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
QDM v5.5 standards update: Updated 'Communication, Performed' timing to use new 'sent dateTime' and 'received dateTime' attributes to better align with measure intent.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Diabetic Retinopathy (2.16.840.1.113883.3.526.3.327): Deleted 6 ICD-9-CM codes (362.01, 362.02, 362.03, 362.04, 362.05, 362.06). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Medical Reason (2.16.840.1.113883.3.526.3.1007): Deleted 5 SNOMED CT codes (216952002, 274512008, 371133007, 416406003, 445528004) based on expert review and/or public feedback. Removed codes due to intent of concepts which do not indicate a medical contraindication, but rather a provider decision to discontinue something or change a course of treatment.	Value Set	Terminology	Annual Update

CMS142v9 - Diabetic Retinopathy: Communication with the Physician Managing Ongoing Diabetes Care

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead
Removed direct reference codes SNOMED CT codes (158965000, 223366009, 28229004, 309343006, 422234006) related to sender and recipient types due to feedback related to the challenges with implementation.	Value Set	Terminology	ONC Project Tracking System (Jira): CQM-3708

CMS143v9 - Primary Open-Angle Glaucoma (POAG): Optic Nerve Evaluation

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Revised rationale based upon most recent National Quality Forum (NQF) maintenance submission.	Header	Rationale	Measure Lead
Updated in-text citations to align with American Psychological Association (APA) formatting.	Header	Clinical Recommendation Statement	Measure Lead
Updated references to align with most recent NQF maintenance submission and APA formatting.	Header	Reference	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Revised guidance to remove reference to ICD-9-CM as this terminology is no longer included in the technical specifications.	Header	Guidance	Measure Lead
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Definitions	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Functions	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Medical Reason (2.16.840.1.113883.3.526.3.1007): Deleted 5 SNOMED CT codes 216952002, 274512008, 371133007, 416406003, 445528004 based on expert review and/or public feedback. Removed codes due to intent of concepts which do not indicate a medical contraindication, but rather a provider decision to discontinue something or change a course of treatment.	Value Set	Terminology	Annual Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes 99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Value set Primary Open-Angle Glaucoma (2.16.840.1.113883.3.526.3.326): Deleted 4 ICD-9-CM codes 365.10, 365.11, 365.12, 365.15). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead

CMS144v9 - Heart Failure (HF): Beta-Blocker Therapy for Left Ventricular Systolic Dysfunction (LVSD)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated reference to align with American Psychological Association (APA) formatting.	Header	Reference	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated guidance statement related to the two visit requirement to specify its applicability to population criteria 1.	Header	Guidance	Measure Lead
Added a new data element using the Allergy/Intolerance QDM category and datatype to capture the substance related to beta blocker as a potential allergen to align with measure intent and interoperability standards.	Logic	Denominator Exceptions	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Revised Clinical Quality Language (CQL) definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL definition names and aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.	Value Set	Terminology	Annual Update
Value set Medical Reason (2.16.840.1.113883.3.526.3.1007): Deleted 5 SNOMED CT codes (216952002, 274512008, 371133007, 416406003, 445528004) based on expert review and/or public feedback. Removed codes due to intent of concepts which do not indicate a medical contraindication, but rather a provider decision to discontinue something or change a course of treatment.	Value Set	Terminology	Annual Update
Value set Patient Provider Interaction (2.16.840.1.113883.3.526.3.1012): Deleted 1 SNOMED CT code (11797002) based on terminology update.	Value Set	Terminology	Annual Update
Value set Intolerance to Beta Blocker Therapy (2.16.840.1.113883.3.526.3.1178): Deleted 1 SNOMED CT code (292429003) based on terminology update.	Value Set	Terminology	Annual Update

CMS144v9 - Heart Failure (HF): Beta-Blocker Therapy for Left Ventricular Systolic Dysfunction (LVSD)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Asthma (2.16.840.1.113883.3.526.3.362): Deleted 14 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 1 SNOMED CT code (782520007) and deleted 1 SNOMED CT code (30352005) based on terminology update.	Value Set	Terminology	Annual Update
Value set Arrhythmia (2.16.840.1.113883.3.526.3.366): Deleted 2 ICD-9-CM codes (427.89, 427.9). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Atrioventricular Block (2.16.840.1.113883.3.526.3.367): Deleted 3 ICD-9-CM codes (426.0, 426.12, 426.13). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Cardiac Pacer in Situ (2.16.840.1.113883.3.526.3.368): Deleted 1 ICD-9-CM code (V45.01). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Hypotension (2.16.840.1.113883.3.526.3.370): Deleted 6 ICD-9-CM codes (458.0, 458.1, 458.21, 458.29, 458.8, 458.9). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Heart Failure (2.16.840.1.113883.3.526.3.376): Deleted 24 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Bradycardia (2.16.840.1.113883.3.526.3.412): Deleted 2 ICD-9-CM codes (427.81, 427.89). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead
Added direct reference code SNOMED CT Code (373254001) based on expert review and/or public feedback.	Value Set	Terminology	Measure Lead

CMS145v9 - Coronary Artery Disease (CAD): Beta-Blocker Therapy—Prior Myocardial Infarction (MI) or Left Ventricular Systolic Dysfunction (LVEF <40%)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated references to align with American Psychological Association (APA) formatting.	Header	Reference	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Revised guidance related to patients who have had both myocardial infarction within the past 3 years and LVEF < 40% to clarify how these patients should be counted in the measure.	Header	Guidance	Measure Lead
Revised Clinical Quality Language (CQL) definition related to myocardial infarction by applying additional constraints to ensure patients will only meet the population 2 denominator criteria if they do not also have LVEF < 40%.	Logic	Denominator	Measure Lead
Added a new data element using the Allergy/Intolerance QDM category and datatype to capture the substance related to beta blocker as a potential allergen to align with measure intent and interoperability standards.	Logic	Denominator Exceptions	Measure Lead
Updated CQL definition names used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Revised CQL definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Revised measure timings to improve alignment with the intent of the measure requirements.	Logic	Multiple Sections	Measure Lead
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Added direct reference code SNOMED CT Code (373254001) based on expert review and/or public feedback to align with interoperability standards.	Value Set	Terminology	Annual Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Medical Reason (2.16.840.1.113883.3.526.3.1007): Deleted 5 SNOMED CT codes (216952002, 274512008, 371133007, 416406003, 445528004) based on expert review and/or public feedback. Removed codes due to intent of concepts which do not indicate a medical contraindication, but rather a provider decision to discontinue something or change a course of treatment.	Value Set	Terminology	Annual Update
Value set Patient Provider Interaction (2.16.840.1.113883.3.526.3.1012): Deleted 1 SNOMED CT code (11797002) based on terminology update.	Value Set	Terminology	Annual Update

CMS145v9 - Coronary Artery Disease (CAD): Beta-Blocker Therapy—Prior Myocardial Infarction (MI) or Left Ventricular Systolic Dysfunction (LVEF <40%)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Beta Blocker Therapy (2.16.840.1.113883.3.526.3.1174): Deleted 3 RxNorm codes (245854, 245855, 998694) based on terminology update.	Value Set	Terminology	Annual Update
Value set Intolerance to Beta Blocker Therapy (2.16.840.1.113883.3.526.3.1178): Deleted 1 SNOMED CT code (292429003) based on terminology update.	Value Set	Terminology	Annual Update
Value set Asthma (2.16.840.1.113883.3.526.3.362): Deleted 14 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 1 SNOMED CT code (782520007) and deleted 1 SNOMED CT code (30352005) based on terminology update.	Value Set	Terminology	Annual Update
Value set Arrhythmia (2.16.840.1.113883.3.526.3.366): Deleted 2 ICD-9-CM codes (427.89, 427.9). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Atrioventricular Block (2.16.840.1.113883.3.526.3.367): Deleted 3 ICD-9-CM codes (426.0, 426.12, 426.13). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Cardiac Pacer in Situ (2.16.840.1.113883.3.526.3.368): Deleted 1 ICD-9-CM code (V45.01). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Hypotension (2.16.840.1.113883.3.526.3.370): Deleted 6 ICD-9-CM codes (458.0, 458.1, 458.21, 458.29, 458.8, 458.9). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Bradycardia (2.16.840.1.113883.3.526.3.412): Deleted 2 ICD-9-CM codes (427.81, 427.89). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Coronary Artery Disease No MI (2.16.840.1.113883.3.526.3.369): Deleted 21 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Cardiac Surgery (2.16.840.1.113883.3.526.3.371): Deleted 6 CPT codes (33517, 33518, 33519, 33521, 33522, 33523) based on coding guidelines.	Value Set	Terminology	Annual Update
Value set Myocardial Infarction (2.16.840.1.113883.3.526.3.403): Deleted 1 ICD-9-CM code (412) based on expert review and/or public feedback to align with value set intent. Deleted 2 ICD-10-CM codes (I24.1, I25.2) based on expert review and/or public feedback to align with value set intent. Deleted 10 SNOMED CT codes (161502000, 161503005, 1755008, 233839009, 233840006, 233841005, 233842003, 275905002, 308065005, 399211009) based on expert review and/or public feedback to align with value set intent.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback, with the exception of the 'Myocardial Infarction' value set that is reused in another measure which requires an indefinite lookback period.	Value Set	Terminology	Measure Lead

CMS146v9 - Appropriate Testing for Pharyngitis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated the age ranges to 3 years and older, to address the increasing alarm of antibiotic overuse.	Header	eCQM Title	Measure Lead
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated the age ranges to 3 years and older, to address the increasing alarm of antibiotic overuse.	Header	Description	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated references.	Header	Reference	Standards Update
Added more guidance about which eligible episode to include in the measure.	Header	Guidance	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Revised wording of the initial population statement to reflect measure is episode based for consistency with the measure intent.	Header	Initial Population	Measure Lead
Updated the age ranges to 3 years and older, to address the increasing alarm of antibiotic overuse.	Header	Initial Population	Measure Lead
Updated the age ranges to 3 years and older, to address the increasing alarm of antibiotic overuse.	Header	Denominator	Measure Lead
Updated denominator exclusions to clarify language regarding eligible encounter types and add an exclusion for competing comorbid condition during the 12 months prior to or on the episode date.	Header	Denominator Exclusions	Measure Lead
Revised the numerator statement by clarifying that the test should be within 3 days of the episode date to align with the measure logic.	Header	Numerator	Measure Lead
Updated the age ranges to 3 years and older, to address the increasing alarm of antibiotic overuse.	Logic	Initial Population	Measure Lead
Updated the age ranges to 3 years and older, to address the increasing alarm of antibiotic overuse.	Logic	Denominator	Measure Lead
Updated denominator exclusions to clarify language regarding eligible encounter types and add an exclusion for competing comorbid condition during the 12 months prior to or on the episode date.	Logic	Denominator Exclusions	Measure Lead
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definitions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Antibiotic Medications for Pharyngitis (2.16.840.1.113883.3.464.1003.196.12.1001): Deleted 9 RxNorm codes (1148107, 199497, 199620, 199710, 199802, 245240, 245837, 245838, 761979) based on terminology update.	Value Set	Terminology	Annual Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update

CMS146v9 - Appropriate Testing for Pharyngitis

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Comorbid Conditions for Respiratory Conditions (2.16.840.1.113883.3.464.1003.102.12.1025): Added Comorbid Conditions for Respiratory Conditions based on change in measure requirements/measure specification.	Value Set	Terminology	Measure Lead
Value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080): Added Telephone Visits based on change in measure requirements/measure specification.	Value Set	Terminology	Measure Lead
Value set Competing Conditions for Respiratory Conditions (2.16.840.1.113883.3.464.1003.102.12.1017): Deleted 29 SNOMED CT codes based on terminology update.	Value Set	Terminology	Annual Update
Replaced Value set Discharge Services Observation Care (2.16.840.1.113883.3.464.1003.101.12.1039) with direct reference code CPT Code (99217) to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Annual Update

CMS147v10 - Preventive Care and Screening: Influenza Immunization

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated clinical recommendation statement citation year to reflect updated guideline.	Header	Clinical Recommendation Statement	Measure Lead
Updated reference to align with updated guideline and APA formatting.	Header	Reference	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Revised guidance related to the appropriateness of intranasal flu vaccination based upon the Centers for Disease Control and Prevention (CDC)/Advisory Committee on Immunization Practices (ACIP) guidelines.	Header	Guidance	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Revised measure timings to improve alignment with the intent of the measure requirements.	Logic	Multiple Sections	Measure Lead
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL definition names and aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Medical Reason (2.16.840.1.113883.3.526.3.1007): Deleted 5 SNOMED CT codes (216952002, 274512008, 371133007, 416406003, 445528004) based on expert review and/or public feedback. Removed codes due to intent of concepts which do not indicate a medical contraindication, but rather a provider decision to discontinue something or change a course of treatment.	Value Set	Terminology	Annual Update
Value set Patient Provider Interaction (2.16.840.1.113883.3.526.3.1012): Deleted 1 SNOMED CT code (11797002) based on terminology update.	Value Set	Terminology	Annual Update
Value set Encounter-Influenza (2.16.840.1.113883.3.526.3.1252): Deleted 1 SNOMED CT code (17436001) based on terminology update. Added 1 CPT code (99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Value set Allergy to Eggs (2.16.840.1.113883.3.526.3.1253): Deleted 2 ICD-9-CM codes (995.68, V15.03). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Influenza Vaccine (2.16.840.1.113883.3.526.3.1254): Added 1 CVX code (197) based on terminology update.	Value Set	Terminology	Annual Update
Value set Influenza Vaccination (2.16.840.1.113883.3.526.3.402): Added 1 CPT code (90694) based on terminology update.	Value Set	Terminology	Annual Update

CMS147v10 - Preventive Care and Screening: Influenza Immunization

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead

CMS149v9 - Dementia: Cognitive Assessment

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated rationale to align with most recent National Quality Forum (NQF) submission and American Psychological Association (APA) formatting.	Header	Rationale	Measure Lead
Added new guidelines to clinical recommendation statement to align with most recent NQF submission.	Header	Clinical Recommendation Statement	Measure Lead
Updated existing references to align with APA formatting and most recent NQF submission. Added references related to new clinical recommendation statements.	Header	Reference	Measure Lead
Added guidance, based upon technical expert panel feedback, to recognize the appropriateness of team-based care for this measure.	Header	Guidance	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Revised Clinical Quality Language (CQL) definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL aliases used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
Value set Dementia & Mental Degenerations (2.16.840.1.113883.3.526.3.1005): Deleted 24 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Patient Provider Interaction (2.16.840.1.113883.3.526.3.1012): Deleted 1 SNOMED CT code (11797002) based on terminology update.	Value Set	Terminology	Annual Update
Value set Psych Visit - Diagnostic Evaluation (2.16.840.1.113883.3.526.3.1492): Deleted 1 SNOMED CT code (32537008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes 99315, 99316, 99318 based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead

CMS153v9 - Chlamydia Screening for Women

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eMeasure Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Annual Update
Updated references.	Header	Reference	Annual Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definition	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Procedures During Pregnancy (2.16.840.1.113883.3.464.1003.111.12.1009): Deleted 1 SNOMED CT code (387708002) based on terminology update.	Value Set	Terminology	Annual Update
Value set Gonococcal Infections and Venereal Diseases (2.16.840.1.113883.3.464.1003.112.12.1001): Deleted 1 SNOMED CT code 415141001 based on terminology update. Deleted 56 ICD-9-CM codes based on terminology update.	Value Set	Terminology	Annual Update
Value set Syphilis (2.16.840.1.113883.3.464.1003.112.12.1002): Deleted 68 ICD-9-CM codes based on terminology update.	Value Set	Terminology	Annual Update
Value set Complications of Pregnancy, Childbirth and the Puerperium (2.16.840.1.113883.3.464.1003.111.12.1012): Deleted 1092 ICD-9-CM codes based on terminology update.	Value Set	Terminology	Annual Update
Value set Contraceptive Medications (2.16.840.1.113883.3.464.1003.196.12.1080): Deleted 5 RxNorm codes (1435163, 1437769, 199568, 245263, 749862) based on terminology update.	Value Set	Terminology	Annual Update
Value set Other Female Reproductive Conditions (2.16.840.1.113883.3.464.1003.111.12.1006): Deleted 1 SNOMED CT code (391147004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Inflammatory Diseases of Female Reproductive Organs (2.16.840.1.113883.3.464.1003.112.12.1004): Deleted 10 SNOMED CT codes (15363000, 32701000, 37649008, 40113007, 45022008, 47132003, 54672007, 59211000, 717723007, 95220008) based on terminology update. Deleted 31 ICD-9-CM codes based on terminology update.	Value Set	Terminology	Annual Update
Value set X-Ray Study (all inclusive) (2.16.840.1.113883.3.464.1003.198.12.1034): Deleted 1 LOINC code (36926-4) based on terminology update.	Value Set	Terminology	Annual Update

CMS153v9 - Chlamydia Screening for Women

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set HIV (2.16.840.1.113883.3.464.1003.120.12.1003): Deleted 15 SNOMED CT codes based on terminology update.	Value Set	Terminology	Annual Update

CMS154v9 - Appropriate Treatment for Upper Respiratory Infection (URI)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Increased the age range age to 3 months and older, from 3 months to 18 years, to address the increasing alarm regarding antibiotic overuse among all age ranges.	Header	eCQM Title	Measure Lead
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Increased the age range age to 3 months and older, from 3 months to 18 years, to address the increasing alarm regarding antibiotic overuse among all age ranges.	Header	Description	Measure Lead
Updated the description and numerator statements to be episode based for better alignment with the measure intent.	Header	Description	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated references.	Header	Reference	Annual Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Increased the age range age to 3 months and older, from 3 months to 18 years, to address the increasing alarm regarding antibiotic overuse among all age ranges.	Header	Initial Population	Measure Lead
Updated denominator exclusions for upper respiratory infection (URI) to clarify language regarding eligible encounter types and add an exclusion for competing comorbid condition during the 12 months prior to or on the episode date.	Header	Denominator Exclusions	Measure Lead
Increased the age range age to 3 months and older, from 3 months to 18 years, to address the increasing alarm regarding antibiotic overuse among all age ranges.	Header	Numerator	Measure Lead
Updated the description and numerator statements to be episode based for better alignment with the measure intent.	Header	Numerator	Measure Lead
Increased the age range age to 3 months and older, from 3 months to 18 years, to address the increasing alarm regarding antibiotic overuse among all age ranges.	Logic	Initial Population	Measure Lead
Updated denominator exclusions for upper respiratory infection (URI) to clarify language regarding eligible encounter types and add an exclusion for competing comorbid condition during the 12 months prior to or on the episode date.	Logic	Denominator Exclusions	Measure Lead
Increased the age range age to 3 months and older, from 3 months to 18 years, to address the increasing alarm regarding antibiotic overuse among all age ranges.	Logic	Numerator	Measure Lead
Added 'on or' to the 'Encounter with Competing Diagnosis for Upper Respiratory Infection' definition to allow for same day competing diagnosis.	Logic	Definitions	ONC Project Tracking System (Jira): CQM-3789
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
CQL Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead

CMS154v9 - Appropriate Treatment for Upper Respiratory Infection (URI)

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Antibiotic Medications for Pharyngitis (2.16.840.1.113883.3.464.1003.196.12.1001): Deleted 9 RxNorm codes (1148107, 199497, 199620, 199710, 199802, 245240, 245837, 245838, 761979) based on terminology update.	Value Set	Terminology	Annual Update
Value set Competing Conditions for Respiratory Conditions (2.16.840.1.113883.3.464.1003.102.12.1017): Deleted 29 SNOMED CT codes based on terminology update.	Value Set	Terminology	Annual Update
Value sets Preventive Care Services - Established Office Visit, 18 and Up (2.16.840.1.113883.3.464.1003.101.12.1025); Preventive Care Services - Initial Office Visit, 18 and Up (2.16.840.1.113883.3.464.1003.101.12.1023); Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) added to accommodate the expanded age range of the initial population.	Value Set	Terminology	Measure Lead
Value set Comorbid Conditions for Respiratory Conditions (2.16.840.1.113883.3.464.1003.102.12.1025): Added Comorbid Conditions for Respiratory Conditions based on change in measure requirements/measure specification.	Value Set	Terminology	Measure Lead

CMS155v9 - Weight Assessment and Counseling for Nutrition and Physical Activity for Children and Adolescents

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definitions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Pregnancy (2.16.840.1.113883.3.526.3.378): Added 53 SNOMED CT codes and deleted 1 SNOMED CT code (199715003) based on terminology update. Added 2 ICD-10-CM codes (O00.00, O00.01) based on terminology update.	Value Set	Terminology	Annual Update

CMS156v9 - Use of High-Risk Medications in Older Adults

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Revised measure title by replacing the word 'elderly' with 'older adults' for harmonization with the health plan level version of the measure.	Header	eCQM Title	Measure Lead
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated the clinical recommendations statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Removed numerator rate 1 for harmonization with the health plan level version of the measure and to reduce reporting burden.	Header	Numerator	ONC Project Tracking System (Jira): CQM-3804
Removed numerator rate 1 for harmonization with the health plan level version of the measure and to reduce reporting burden.	Logic	Numerator	ONC Project Tracking System (Jira): CQM-3804
Renamed 'More than 1 Of' function to 'More Than One of Same Medication Order' to clarify the purpose and argument type.	Logic	Functions	Measure Lead
Clinical Quality Language (CQL) Library version update: Updated version number of the Hospice Library (Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Added value sets: Scopolamine (2.16.840.1.113883.3.464.1003.196.12.1520); Secobarbital (2.16.840.1.113883.3.464.1003.196.12.1521); Propanteline (2.16.840.1.113883.3.464.1003.196.12.1519); Doxylamine (2.16.840.1.113883.3.464.1003.196.12.1515); Ergoloid Mesylates (2.16.840.1.113883.3.464.1003.196.12.1516); Butalbital (2.16.840.1.113883.3.464.1003.196.12.1514); Amobarbital (2.16.840.1.113883.3.464.1003.196.12.1512); Pentobarbital (2.16.840.1.113883.3.464.1003.196.12.1518) for consistency with the Beers Criteria for Potentially Inappropriate Medication list, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update

CMS156v9 - Use of High-Risk Medications in Older Adults

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Removed the following value sets: Acetaminophen / Butalbital / Caffeine / Codeine (2.16.840.1.113883.3.464.1003.196.12.1326); Acetaminophen / Butalbital / Caffeine (2.16.840.1.113883.3.464.1003.196.12.1363); Acetaminophen / Butalbital (2.16.840.1.113883.3.464.1003.196.12.1317); Aspirin / Butalbital / Caffeine (2.16.840.1.113883.3.464.1003.196.12.1347) due to combining all Butalbital value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Removed value sets: Acetaminophen / Chlorpheniramine / Dextromethorphan / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1310); Acetaminophen / Chlorpheniramine / Dextromethorphan / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1321); Acetaminophen / Chlorpheniramine / Dextromethorphan (2.16.840.1.113883.3.464.1003.196.12.1421); Acetaminophen / Chlorpheniramine / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1328); Acetaminophen / Chlorpheniramine / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1316) due to combining codes into the Chlorpheniramine value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Removed value set: Acetaminophen / Dexbrompheniramine (2.16.840.1.113883.3.464.1003.196.12.1405) due to combining codes into the Dexbrompheniramine value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Removed the following value sets: Acetaminophen / Dextromethorphan / Diphenhydramine / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1399); Acetaminophen / Diphenhydramine (2.16.840.1.113883.3.464.1003.196.12.1350); Acetaminophen / Diphenhydramine / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1318) due to combining all Diphenhydramine value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Removed value sets due to combining into the Doxylamine value set, based on expert review and/or public feedback: Acetaminophen / Dextromethorphan / Doxylamine (2.16.840.1.113883.3.464.1003.196.12.1338); Acetaminophen / Dextromethorphan / Doxylamine / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1287).	Value Set	Terminology	Annual Update
Removed value sets: Amitriptyline / Chlordiazepoxide (2.16.840.1.113883.3.464.1003.196.12.1286); Amitriptyline / Perphenazine (2.16.840.1.113883.3.464.1003.196.12.1428) due to combining into the Amitriptyline Hydrochloride value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Amitriptyline Hydrochloride (2.16.840.1.113883.3.464.1003.196.12.1373): Added 7 RxNorm codes (856706, 856720, 856769, 856792, 856797, 856825, 856840) to combine all the Amitriptyline drugs into one value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Anti Infectives, other (2.16.840.1.113883.3.464.1003.196.12.1481): Added 1 RxNorm code (311988) based on terminology update.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.464.1003.196.12.1302): Renamed to Orphenadrine.	Value Set	Terminology	Annual Update
Value set Orphenadrine (2.16.840.1.113883.3.464.1003.196.12.1302): Added 7 RxNorm codes (994521, 994810, 994811, 994824, 994837, 994841, 994847) based on terminology update.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.464.1003.196.12.1274): Renamed to Atropine.	Value Set	Terminology	Annual Update
Value set Atropine (2.16.840.1.113883.3.464.1003.196.12.1274): Added 29 RxNorm codes to combine all Atropine value sets into one value set, based on terminology update.	Value Set	Terminology	Annual Update

CMS156v9 - Use of High-Risk Medications in Older Adults

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Atropine / Hyoscyamine / Phenobarbital / Scopolamine (2.16.840.1.113883.3.464.1003.196.12.1355): Removed value set and added codes into new combined Atropine value set.	Value Set	Terminology	Annual Update
Removed value sets : Brompheniramine / Codeine / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1409); Brompheniramine / Codeine / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1450); Brompheniramine / Dextromethorphan / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1325); Brompheniramine / Dextromethorphan / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1339); Brompheniramine / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1332) due to combining all Brompheniramine value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Brompheniramine (2.16.840.1.113883.3.464.1003.196.12.1427): Added 69 RxNorm codes to combine all Brompheniramine value sets into one value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Butabarbital (2.16.840.1.113883.3.464.1003.196.12.1402): Added 4 RxNorm codes (1047805, 1251600, 1251610, 1251625) and deleted 1 RxNorm code (1251621) based on terminology update.	Value Set	Terminology	Annual Update
Value set Carbinoxamine (2.16.840.1.113883.3.464.1003.196.12.1306): Added 9 RxNorm codes (1010696, 1010946, 1010980, 1012681, 1012956, 1012984, 1374770, 1424307, 1795581) based on terminology update.	Value Set	Terminology	Annual Update
Value set Carisoprodol (2.16.840.1.113883.3.464.1003.196.12.1369): Added 3 RxNorm codes (105974, 197447, 994226) based on terminology update.	Value Set	Terminology	Annual Update
Removed value sets: Chlophedianol / Chlorpheniramine / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1412); Chlophedianol / Dexchlorpheniramine / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1447); Chlorpheniramine / Dextromethorphan / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1312); Chlorpheniramine / Dextromethorphan / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1337); Chlorpheniramine / Hydrocodone / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1299); Chlorpheniramine / Hydrocodone (2.16.840.1.113883.3.464.1003.196.12.1330); Chlorpheniramine / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1343); Chlorpheniramine / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1315) due to combining all Chlorpheniramine value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Chlorpheniramine (2.16.840.1.113883.3.464.1003.196.12.1352): Added 217 RxNorm codes and deleted 2 RxNorm codes (239981, 309249) to combine all Chlorpheniramine value sets into one value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Chlorzoxazone (2.16.840.1.113883.3.464.1003.196.12.1362): Added 1 RxNorm code (197501) based on terminology update.	Value Set	Terminology	Annual Update
Value set Clemastine (2.16.840.1.113883.3.464.1003.196.12.1308): Added 5 RxNorm codes (857420, 857430, 857452, 857454, 857457) based on terminology update.	Value Set	Terminology	Annual Update
Value set Clomipramine (2.16.840.1.113883.3.464.1003.196.12.1336): Added 5 RxNorm codes (857291, 857292, 857296, 857315, 857326) based on terminology update.	Value Set	Terminology	Annual Update
Removed the following value set due to combining codes into the Conjugated Estrogens value set, based on expert review and/or public feedback: Conjugated Estrogens / Medroxyprogesterone (2.16.840.1.113883.3.464.1003.196.12.1324).	Value Set	Terminology	Annual Update

CMS156v9 - Use of High-Risk Medications in Older Adults

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Conjugated Estrogens (2.16.840.1.113883.3.464.1003.196.12.1357): Added 10 RxNorm codes (1000353, 1000354, 1000395, 1000398, 1000486, 1000490, 1000496, 1441392, 197663, 432572) and deleted 8 RxNorm codes (310204, 310206, 476540, 618368, 618370, 618376, 618378, 730878) to combine all Conjugated Estrogens value sets into one value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Cyclobenzaprine Hydrochloride (2.16.840.1.113883.3.464.1003.196.12.1372): Added 1 RxNorm code (999731) based on terminology update.	Value Set	Terminology	Annual Update
Value set Desiccated Thyroid (2.16.840.1.113883.3.464.1003.196.12.1354): Added 1 RxNorm code (242927) based on terminology update.	Value Set	Terminology	Annual Update
Removed value sets: Dexbrompheniramine / Dextromethorphan / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1426); Dexbrompheniramine / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1430); Dexbrompheniramine Maleate / Pseudoephedrine Hydrochloride (2.16.840.1.113883.3.464.1003.196.12.1429) due to combining all Dexbrompheniramine value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Dexbrompheniramine (2.16.840.1.113883.3.464.1003.196.12.1375): Added 12 RxNorm codes (1190580, 1190600, 1251806, 1305588, 1369403, 1441376, 1491637, 1539185, 1545306, 1545309, 1551286, 1798453) and deleted 1 RxNorm code (240826) to combine all Dexbrompheniramine value sets into one value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.464.1003.196.12.1300): Renamed to Dexchlorpheniramine.	Value Set	Terminology	Annual Update
Removed value set: Dexchlorpheniramine / Pseudoephedrine (2.16.840.1.113883.3.464.1003.196.12.1425) due to combining codes into the Dexchlorpheniramine value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Dexchlorpheniramine (2.16.840.1.113883.3.464.1003.196.12.1300): Added 17 RxNorm codes to combine all Dexchlorpheniramine value sets into one value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Dextromethorphan / Diphenhydramine / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1397): Removed Dextromethorphan / Diphenhydramine / Phenylephrine based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Removed value set: Dextromethorphan / Doxylamine (2.16.840.1.113883.3.464.1003.196.12.1452) due to combining codes into the Doxylamine value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Dicyclomine (2.16.840.1.113883.3.464.1003.196.12.1279): Added 4 RxNorm codes (199725, 755900, 991151, 991616) based on terminology update.	Value Set	Terminology	Annual Update
Removed value sets: Dienogest / Estradiol Multiphasic (2.16.840.1.113883.3.464.1003.196.12.1398); Drospirenone / Estradiol (2.16.840.1.113883.3.464.1003.196.12.1410); Estradiol / Norethindrone (2.16.840.1.113883.3.464.1003.196.12.1323) due to combining all Estradiol value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Estradiol (2.16.840.1.113883.3.464.1003.196.12.1365): Added 26 RxNorm codes to combine all Estradiol value sets into one value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Dimenhydrinate (2.16.840.1.113883.3.464.1003.196.12.1500): Added 7 RxNorm codes (1245184, 1294446, 245357, 245358, 309913, 429720, 755901) based on terminology update.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.464.1003.196.12.1293): Renamed to Diphenhydramine.	Value Set	Terminology	Annual Update

CMS156v9 - Use of High-Risk Medications in Older Adults

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Removed value set: Diphenhydramine / Phenylephrine (2.16.840.1.113883.3.464.1003.196.12.1307) due to combining all Diphenhydramine value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Diphenhydramine (2.16.840.1.113883.3.464.1003.196.12.1293): Added 96 RxNorm codes to combine all Diphenhydramine value sets into one value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Dipyrindamole (2.16.840.1.113883.3.464.1003.196.12.1349): Added 2 RxNorm codes (199314, 392451) based on terminology update.	Value Set	Terminology	Annual Update
Value set Disopyramide (2.16.840.1.113883.3.464.1003.196.12.1311): Added 3 RxNorm codes (104285, 199730, 199824) based on terminology update.	Value Set	Terminology	Annual Update
Removed value set: Esterified Estrogens / Methyltestosterone (2.16.840.1.113883.3.464.1003.196.12.1320) due to combining all Esterified Estrogens value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Esterified Estrogens (2.16.840.1.113883.3.464.1003.196.12.1419): Added 1 RxNorm code (1000353) based on terminology update.	Value Set	Terminology	Annual Update
Removed value set: Glyburide / Metformin (2.16.840.1.113883.3.464.1003.196.12.1360) due to combining all Glyburide value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Glyburide (2.16.840.1.113883.3.464.1003.196.12.1368): Added 4 RxNorm codes (252960, 861743, 861748, 861753) based on terminology update.	Value Set	Terminology	Annual Update
Value set Guanfacine (2.16.840.1.113883.3.464.1003.196.12.1341): Added 1 RxNorm code (1092566) based on terminology update.	Value Set	Terminology	Annual Update
Value set High Risk Medications for the Elderly (2.16.840.1.113883.3.464.1003.196.12.1253): Removed High Risk Medications for the Elderly due to removal of numerator rate 1 for harmonization with the health plan level version of the measure and reduce reporting burden.	Value Set	Terminology	Annual Update
Value set High-Risk Medications With Days Supply Criteria (2.16.840.1.113883.3.464.1003.196.12.1254): Removed High-Risk Medications With Days Supply Criteria due to removal of numerator rate 1 for harmonization with the health plan level version of the measure and reduce reporting burden.	Value Set	Terminology	Annual Update
Removed value set: Hydrochlorothiazide / Methyldopa (2.16.840.1.113883.3.464.1003.196.12.1414) due to combining all Methyldopa value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Methyldopa (2.16.840.1.113883.3.464.1003.196.12.1331): Added 7 RxNorm codes (104357, 197955, 197959, 197960, 197961, 197962, 197963) based on terminology update.	Value Set	Terminology	Annual Update
Value set Hydroxyzine (2.16.840.1.113883.3.464.1003.196.12.1374): Added 6 RxNorm codes (1794552, 1794554, 995241, 995270, 995274, 995428) and deleted 2 RxNorm codes (995235, 995253) based on terminology update.	Value Set	Terminology	Annual Update
Removed value sets: Hyoscyamine / Methenamine / Mblue / Phenyl Salicyl / Sodium Biphosphate (2.16.840.1.113883.3.464.1003.196.12.1504); Hyoscyamine / Methenamine / Mblue / Phenyl Salicyl (2.16.840.1.113883.3.464.1003.196.12.1503); Hyoscyamine / Methenamine / Mblue / Sodium Biphosphate (2.16.840.1.113883.3.464.1003.196.12.1505) due to combining all Hyoscyamine value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Hyoscyamine (2.16.840.1.113883.3.464.1003.196.12.1501): Added 19 RxNorm codes to combine all Hyoscyamine value sets into one value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Imipramine (2.16.840.1.113883.3.464.1003.196.12.1359): Added 1 RxNorm code (835586) based on expert review and/or public feedback.	Value Set	Terminology	Annual Update

CMS156v9 - Use of High-Risk Medications in Older Adults

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Indomethacin (2.16.840.1.113883.3.464.1003.196.12.1366): Added 2 RxNorm codes (251255, 392073) and deleted 1 RxNorm code (247069) based on terminology update.	Value Set	Terminology	Annual Update
Value set Ketorolac Tromethamine (2.16.840.1.113883.3.464.1003.196.12.1364): Added 9 RxNorm codes (1665459, 1665461, 1665675, 1665679, 1665682, 860113, 860114, 860115, 861846) based on terminology update.	Value Set	Terminology	Annual Update
Value set List of Single RxNorm Code Concepts for High Risk Drugs for the Elderly (2.16.840.1.113883.3.464.1003.196.12.1272): Removed 63 RxNorm extensional value sets; codes added to active drug value sets based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Meclizine (2.16.840.1.113883.3.464.1003.196.12.1506): Added 2 RxNorm codes (1663815, 995682) based on terminology update.	Value Set	Terminology	Annual Update
Value set Megestrol (2.16.840.1.113883.3.464.1003.196.12.1342): Added 2 RxNorm codes (577154, 860231) based on terminology update.	Value Set	Terminology	Annual Update
Value set Meperidine (2.16.840.1.113883.3.464.1003.196.12.1351): Added 3 RxNorm codes (1655058, 1655060, 861479) and deleted 6 RxNorm codes (1665697, 860792, 861447, 861459, 861463, 861476) based on terminology update.	Value Set	Terminology	Annual Update
Value set Meprobamate (2.16.840.1.113883.3.464.1003.196.12.1284): Added 1 RxNorm code (197930) based on terminology update.	Value Set	Terminology	Annual Update
Value set Methocarbamol (2.16.840.1.113883.3.464.1003.196.12.1370): Added 1 RxNorm code (197945) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nifedipine (2.16.840.1.113883.3.464.1003.196.12.1353): Added 5 RxNorm codes (199329, 199782, 314132, 391901, 391980) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nonbenzodiazepine hypnotics (2.16.840.1.113883.3.464.1003.196.12.1480): Added 2 RxNorm codes (854885, 854886) based on terminology update.	Value Set	Terminology	Annual Update
Value set Nortriptyline (2.16.840.1.113883.3.464.1003.196.12.1507): Added 4 RxNorm codes (199283, 199406, 865143, 865146) based on terminology update.	Value Set	Terminology	Annual Update
Value set Phenobarbital (2.16.840.1.113883.3.464.1003.196.12.1348): Added 18 RxNorm codes and deleted 1 RxNorm code (199407).	Value Set	Terminology	Annual Update
Value set Promethazine Hydrochloride (2.16.840.1.113883.3.464.1003.196.12.1367): Added 11 RxNorm codes (1248057, 756160, 861578, 991486, 991528, 992471, 992898, 992900, 992904, 992908, 996757) based on terminology update and deleted 3 RxNorm codes (992441, 992454, 992478) based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Removed value set: Pseudoephedrine / Triprolidine (2.16.840.1.113883.3.464.1003.196.12.1345) due to combining all Triprolidine value sets, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Triprolidine (2.16.840.1.113883.3.464.1003.196.12.1408): Added 15 RxNorm codes to combine all Triprolidine value sets into one value set, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Trihexyphenidyl (2.16.840.1.113883.3.464.1003.196.12.1334): Added 2 RxNorm codes (905273, 905292) based on terminology update.	Value Set	Terminology	Annual Update
Value set Trimipramine (2.16.840.1.113883.3.464.1003.196.12.1285): Added 6 RxNorm codes (199820, 245372, 245373, 245374, 250033, 313497) based on terminology update.	Value Set	Terminology	Annual Update

CMS157v9 - Oncology: Medical and Radiation – Pain Intensity Quantified

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated rationale to align with most recent National Quality Forum (NQF) submission.	Header	Rationale	Measure Lead
Updated clinical recommendation statements to align with updated guidelines and most recent NQF submission.	Header	Clinical Recommendation Statement	Measure Lead
Updated references to align with updated guidelines and most recent NQF submission.	Header	Reference	Measure Lead
Added guidance related to the lookback period for the face-to-face encounter for CPT 77427 to clarify reporting expectations in instances where the encounter date is not the same as the billing date.	Header	Guidance	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Added a Clinical Quality Language (CQL) definition 'Chemotherapy Within 31 days Prior and After Measurement Period' to apply an initial filter for the chemotherapy procedures to reduce implementation system burden.	Logic	Definitions	ONC Project Tracking System (Jira): CQM-3600
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Revised CQL definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Value set Cancer (2.16.840.1.113883.3.526.3.1010): Deleted 796 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant. Added 3 SNOMED CT codes (709031009, 725049005, 773995001) based on terminology update.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead
Value set Chemotherapy Administration (2.16.840.1.113883.3.526.3.1027): Deleted 1 CPT code (96402) based upon feedback that this code is used for administration of other agents and is not limited to chemotherapy.	Value Set	Terminology	Measure Lead

CMS159v9 - Depression Remission at Twelve Months

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Added text to clarify stratification takes place at the time of the index assessment.	Header	Stratification	Measure Lead
Updated the rationale with newer studies and data.	Header	Rationale	Measure Lead
Updated the clinical recommendations to include the latest relevant studies and guidelines.	Header	Clinical Recommendation Statement	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Added text to indicate clarify which assessment can be used for the follow-up assessment.	Header	Guidance	Measure Lead
Updated text to clarify patients diagnosed with a personality disorder emotionally labile should be excluded, and align with updated value sets.	Header	Denominator Exclusions	Measure Lead
Updated logic to reflect accurate name of the value set Palliative or Hospice Care (2.16.840.1.113883.3.600.1.1579).	Logic	Denominator Exclusions	ONC Project Tracking System (Jira): CQM-3637
Updated the alias 'PalliativeCareOrder' in the 'Palliative Care Order' definition to better differentiate from the 'Encounter Palliative Care' definition's alias.	Logic	Denominator Exclusions	Measure Lead
Updated the 'Palliative Care Order' definition logic to be consistent with the alias name and assessment period name changes.	Logic	Denominator Exclusions	Measure Lead
Removed null text to streamline stratification logic.	Logic	Stratification	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated the term follow-up assessment period to measure assessment period to increase consistency between the header and the logic.	Logic	Multiple Sections	Measure Lead
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Bipolar Disorder (2.16.840.1.113883.3.67.1.101.1.128): Added 5 SNOMEDCT codes (231444002, 767632000, 767633005, 271000119101, 23741000119105) based on review by technical experts to better capture relevant exclusions.	Value Set	Terminology	Measure Lead
Value set Personality Disorder Emotionally Labile (2.16.840.1.113883.3.67.1.101.1.246): Added 1 SNOMEDCT code (191765005) based on review by technical experts to better capture relevant exclusions.	Value Set	Terminology	Measure Lead
Value set Contact or Office Visit (2.16.840.1.113762.1.4.1080.5): Added 3 CPT codes (99421, 99422, 99423) based on terminology update. Added 3 HCPCS codes (G2061, G2062, G2063) based on terminology update.	Value Set	Terminology	Measure Lead

CMS159v9 - Depression Remission at Twelve Months

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set (2.16.840.1.113883.3.67.1.101.1.246): Renamed grouping value set to Personality Disorder Emotionally Labile to more accurately reflect the codes included in the value set. Renamed extensional value sets (2.16.840.1.113883.3.67.1.101.1.247, 2.16.840.1.113883.3.67.1.101.1.248, 2.16.840.1.113883.3.67.1.101.1.249) within the grouping value set to more accurately reflect the codes included in the value set.	Value Set	Terminology	Measure Lead

CMS161v9 - Adult Major Depressive Disorder (MDD): Suicide Risk Assessment

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Revised wording in the description to reflect the episodic nature of this measure and to better align with the measure intent, based upon technical expert panel feedback.	Header	Description	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated punctuation in clinical recommendation statement field.	Header	Clinical Recommendation Statement	Measure Lead
Updated reference to align with American Psychological Association (APA) formatting.	Header	Reference	Measure Lead
Added guidance, based upon technical expert panel feedback, to recognize the appropriateness of team-based care for this measure.	Header	Guidance	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Revised wording in the initial population statement to reflect the episodic nature of this measure and to better align with the measure intent, based upon technical expert panel feedback.	Header	Initial Population	Measure Lead
Revised wording in the numerator statement to reflect the episodic nature of this measure and to better align with the measure intent, based upon technical expert panel feedback.	Header	Numerator	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
QDM v5.5 standards update: Modified 'Encounter, Performed' diagnoses attribute to reference the diagnosis as a value set or direct reference code.	Logic	Multiple Sections	Standards Update
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Major Depressive Disorder Active (2.16.840.1.113883.3.526.3.1491): Deleted 10 ICD-9-CM codes (296.20, 296.21, 296.22, 296.23, 296.24, 296.30, 296.31, 296.32, 296.33, 296.34). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Psych Visit - Diagnostic Evaluation (2.16.840.1.113883.3.526.3.1492): Deleted 1 SNOMED CT code (32537008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Telehealth Services (2.16.840.1.113883.3.464.1003.101.12.1031): Deleted 2 CPT codes (98969, 99444) based on terminology update.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead

CMS165v9 - Controlling High Blood Pressure

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated the rationale to remove outdated references and content and to update references.	Header	Rationale	Measure Lead
Updated the clinical recommendations statement to remove outdated references and update with the most recent clinical recommendations.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated denominator exclusions to add the word 'consecutive' to clarify that the Long-Term Illness (LTI) exclusion should be for 90 consecutive days.	Header	Denominator Exclusions	Measure Lead
Updated denominator exclusion logic for frailty and clarified that the long-term illness exclusion should be for 90 'consecutive' days to reduce ambiguity.	Logic	Denominator Exclusions	Measure Lead
Revised the 'Essential Hypertension Diagnosis' definition logic to ensure alignment between the logic, header and measure intent.	Logic	Definitions	ONC Project Tracking System (Jira): CQM-3816
Clinical Quality Language (CQL) Library version update: Updated version number of the Adult_Outpatient_Encounters Library (Adult_Outpatient_Encounters-1.3.000).	Logic	Multiple Sections	Measure Lead
CQL Library version update: Updated version number of the Hospice-2.2.000).	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated CQL Library version number of the advanced illness and frailty exclusion library (AdvancedIllnessandFrailtyExclusionECQM-5.5.000).	Logic	Multiple Sections	Measure Lead
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Vascular Access for Dialysis (2.16.840.1.113883.3.464.1003.109.12.1011): Deleted 2 CPT codes (36147, 36148) based on terminology update.	Value Set	Terminology	Annual Update
Value set End Stage Renal Disease (2.16.840.1.113883.3.526.3.353): Deleted 1 ICD-9-CM code (585.6) based on terminology update.	Value Set	Terminology	Annual Update
Value set Pregnancy (2.16.840.1.113883.3.526.3.378): Added 53 SNOMED CT codes based on terminology update and deleted 1 SNOMED CT code (199715003) based on expert review and/or public feedback. Added 2 ICD-10-CM codes (O00.00, O00.01) based on terminology update.	Value Set	Terminology	Annual Update
Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Deleted 4 SNOMED CT codes (267031002, 272060000, 272062008, 314109004) based on terminology update.	Value Set	Terminology	Annual Update

CMS165v9 - Controlling High Blood Pressure

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012): Added 3 CPT codes (99315, 99316, 99318) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, to capture additional nursing facility visit encounter types.	Value Set	Terminology	Annual Update
Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Removed extensional value set Frailty Device (2.16.840.1.113883.3.464.1003.118.11.1114) with HCPCS codes from the grouping and added Frailty Device SNOMED (2.16.840.1.113883.3.464.1003.118.11.1220) with SNOMED CT codes to the grouping to align with recommended terminology.	Value Set	Terminology	Annual Update
Value Set Dialysis Services (2.16.840.1.113883.3.464.1003.109.12.1013): Deleted 4 CPT codes (90920, 90921, 90924, 90925) based on terminology update.	Value Set	Terminology	Annual Update
Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Deleted 1 SNOMED CT code (2876009) based on terminology update.	Value Set	Terminology	Annual Update
Vale set Chronic Kidney Disease, Stage 5 (2.16.840.1.113883.3.526.3.1002): Deleted 1 ICD-9-CM code (585.5). Removed ICD-9-CM codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update

CMS177v9 - Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated rationale to align with American Psychological Association (APA) formatting.	Header	Rationale	Measure Lead
Updated reference to align with APA formatting.	Header	Reference	Measure Lead
Added guidance, based upon technical expert panel feedback, to recognize the appropriateness of team-based care for this measure.	Header	Guidance	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
QDM v5.5 standards update: Modified 'Encounter, Performed' diagnoses attribute to reference the diagnosis as a value set or direct reference code.	Logic	Multiple Sections	Standards Update
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Major Depressive Disorder Active (2.16.840.1.113883.3.526.3.1491): Deleted 10 ICD-9-CM codes (296.20, 296.21, 296.22, 296.23, 296.24, 296.30, 296.31, 296.32, 296.33, 296.34). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Psych Visit - Diagnostic Evaluation (2.16.840.1.113883.3.526.3.1492): Deleted 1 SNOMED CT code (32537008) based on terminology update.	Value Set	Terminology	Annual Update
Value set Telehealth Services (2.16.840.1.113883.3.464.1003.101.12.1031): Deleted 2 CPT codes (98969, 99444) based on terminology update.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained and the measure not requiring historical lookback period.	Value Set	Terminology	Measure Lead

CMS249v3 - Appropriate Use of DXA Scans in Women Under 65 Years Who Do Not Meet the Risk Factor Profile for Osteoporotic Fracture

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated National Quality Forum (NQF) Number to NQF #3475e.	Header	NQF Number	Measure Lead
Updated endorsed by to National Quality Forum.	Header	Endorsed By	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated references.	Header	Reference	Standards Update
Replaced 'provider' with 'clinician' in the definition statement to provide a more accurate description of who uses the tool.	Header	Definition	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated the names of Clinical Quality Language (CQL) definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Definitions	Standards Update
Updated timing logic for the follow-up assessment to use 'in Interval' to simplify logic and promote harmonization between measures.	Logic	Definitions	Measure Lead
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Functions	Standards Update
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Aromatase Inhibitors (2.16.840.1.113883.3.464.1003.196.12.1265): Deleted 2 RxNorm codes (1098617, 795141) based on terminology update.	Value Set	Terminology	Annual Update
Value set Ehlers Danlos Syndrome (2.16.840.1.113883.3.464.1003.113.12.1047): Added 5 ICD-10-CM codes (Q79.60, Q79.61, Q79.62, Q79.63, Q79.69) based on terminology update.	Value Set	Terminology	Annual Update
Value set End Stage Renal Disease (2.16.840.1.113883.3.526.3.353): Deleted 1 ICD-9-CM code (585.6) based on validity of code during timing of look back period.	Value Set	Terminology	Annual Update
Value set Gastric Bypass Surgery (2.16.840.1.113883.3.464.1003.198.12.1050): Deleted 1 SNOMED CT code (73206007) based on terminology update.	Value Set	Terminology	Annual Update
Value set Glucocorticoids (oral only) (2.16.840.1.113883.3.464.1003.196.12.1266): Deleted 2 RxNorm codes (199320, 795858) based on terminology update.	Value Set	Terminology	Annual Update
Value set Malabsorption Syndromes (2.16.840.1.113883.3.464.1003.199.12.1050): Deleted 1 SNOMED CT code (12109003) based on terminology update.	Value Set	Terminology	Annual Update
Value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008): Deleted 1 SNOMED CT code (17436001) based on terminology update.	Value Set	Terminology	Annual Update
Value set Rheumatoid Arthritis (2.16.840.1.113883.3.464.1003.113.12.1005): Deleted 1 SNOMED CT code (239942007) based on terminology update.	Value Set	Terminology	Annual Update

CMS249v3 - Appropriate Use of DXA Scans in Women Under 65 Years Who Do Not Meet the Risk Factor Profile for Osteoporotic Fracture

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Type 1 Diabetes (2.16.840.1.113883.3.464.1003.103.12.1020): Deleted 1 SNOMED CT code (314894004) based on terminology update.	Value Set	Terminology	Annual Update

CMS347v4 - Statin Therapy for the Prevention and Treatment of Cardiovascular Disease

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated the measure developer field.	Header	Measure Developer	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated references to align with American Psychological Association (APA) formatting.	Header	Reference	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Added hospice care as new data element to the Clinical Quality Language (CQL) definition for palliative and hospice care to align with the measure language, as well as the logic construction used in other measures using similar data elements.	Logic	Denominator Exceptions	ONC Project Tracking System (Jira): CQM-3172
Added 'Max' operator in the CQL definition related to low-density lipoproteins (LDL) to identify the highest LDL level for better alignment with population criteria 3 denominator intent.	Logic	Definitions	Measure Lead
Added 'Procedure, Performed' QDM category and datatype with relevant data elements to allow for alternate options to capture atherosclerotic cardiovascular disease (ASCVD).	Logic	Definitions	ONC Project Tracking System (Jira): CQM-3464
Updated CQL definition names used to more closely align with clinical concept intent or create consistency of naming across measures.	Logic	Multiple Sections	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Revised CQL definition construction to reduce the overall complexity of the measure logic without changing the intent and/or application of data element. These revisions were intended to make the definition logic less complex, easier to understand, and more meaningful.	Logic	Multiple Sections	Measure Lead
Revised measure timings to improve alignment with the intent of the measure requirements.	Logic	Multiple Sections	Measure Lead
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set Liver Disease (2.16.840.1.113762.1.4.1047.42): Deleted 6 SNOMED CT codes (186634008, 235868007, 235870003, 276668008, 406584008, 406585009) based on terminology update. Deleted 27 ICD-9-CM codes. Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set End Stage Renal Disease (2.16.840.1.113883.3.526.3.353): Deleted 1 ICD-9-CM code (585.6). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Replaced RxNorm value set High Intensity Statin Therapy (2.16.840.1.113762.1.4.1047.97) with grouping value set High Intensity Statin Therapy (2.16.840.1.113883.3.526.3.1572) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update

CMS347v4 - Statin Therapy for the Prevention and Treatment of Cardiovascular Disease

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set High Intensity Statin Therapy (2.16.840.1.113883.3.526.3.1572): Added 2 RxNorm codes (2167565, 2167569) based on terminology update.	Value Set	Terminology	Annual Update
Replaced RxNorm value set Moderate Intensity Statin Therapy (2.16.840.1.113762.1.4.1047.98) with grouping value set Moderate Intensity Statin Therapy (2.16.840.1.113883.3.526.3.1575) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Moderate Intensity Statin Therapy (2.16.840.1.113883.3.526.3.1575): Added 2 RxNorm codes (2167557, 2167573) based on terminology update.	Value Set	Terminology	Annual Update
Replaced RxNorm value set Low Intensity Statin Therapy (2.16.840.1.113762.1.4.1047.107) with grouping value set Low Intensity Statin Therapy (2.16.840.1.113883.3.526.3.1574) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Hypercholesterolemia (2.16.840.1.113762.1.4.1047.100): Deleted 1 ICD-9-CM code (272.0). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113883.3.600.1.1623): Renamed to Pregnancy or Other Related Diagnoses to align with best practices and value set intent, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Pregnancy or Other Related Diagnoses (2.16.840.1.113883.3.600.1.1623): Added 31 SNOMED CT codes and deleted 1 SNOMED CT code (69532007) based on terminology update.	Value Set	Terminology	Annual Update
Value set Atherosclerosis and Peripheral Arterial Disease (2.16.840.1.113762.1.4.1047.21): Deleted 1 SNOMED CT code (238793001) based on terminology update.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113762.1.4.1047.44): Renamed to Cerebrovascular Disease, Stroke, TIA to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set (2.16.840.1.113762.1.4.1047.46): Renamed to Ischemic Heart Disease or Other Related Diagnoses to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Value set Diabetes (2.16.840.1.113883.3.464.1003.103.12.1001): Deleted 3 SNOMED CT codes (314772004, 421164006, 314894004) based on terminology update.	Value Set	Terminology	Annual Update
Value set Myocardial Infarction (2.16.840.1.113883.3.526.3.403): Deleted 1 ICD-9-CM code (412) based on expert review and/or public feedback to align with value set intent. Deleted 2 ICD-10-CM codes (I24.1, I25.2) based on expert review and/or public feedback to align with value set intent. Deleted 10 SNOMED CT codes (161502000, 161503005, 1755008, 233839009, 233840006, 233841005, 233842003, 275905002, 308065005, 399211009) based on expert review and/or public feedback to align with value set intent.	Value Set	Terminology	Annual Update
Replaced HCPCS value set Annual Wellness Visit (2.16.840.1.113883.3.526.2.1363) with grouping value set Annual Wellness Visit (2.16.840.1.113883.3.526.3.1240) to align with best practices, based on expert review and/or public feedback. This includes 2 SNOMED CT codes (444971000124105, 456201000124103).	Value Set	Terminology	Annual Update
Replaced CPT value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.11.1040) with grouping value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008) to align with best practices, based on expert review and/or public feedback. This includes 2 SNOMED CT codes (281036007, 77406008).	Value Set	Terminology	Annual Update

CMS347v4 - Statin Therapy for the Prevention and Treatment of Cardiovascular Disease

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Replaced CPT value set Preventive Care Services-Initial Office Visit, 18 and Up (2.16.840.1.113883.3.464.1003.101.11.1115) with grouping value set Preventive Care Services-Initial Office Visit, 18 and Up (2.16.840.1.113883.3.464.1003.101.12.1023) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced CPT value set Preventive Care Services - Established Office Visit, 18 and Up (2.16.840.1.113883.3.464.1003.101.11.1125) with grouping value set Preventive Care Services - Established Office Visit, 18 and Up (2.16.840.1.113883.3.464.1003.101.12.1025) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced LOINC value set LDL-c (2.16.840.1.113883.3.117.1.7.1.215) with grouping value set LDL Cholesterol (2.16.840.1.113883.3.526.3.1573) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced CPT value set Office Visit (2.16.840.1.113883.3.464.1003.101.11.1005) with grouping value set Office Visit (2.16.840.1.113883.3.464.1003.101.12.1001) to align with best practices, based on expert review and/or public feedback. This includes 7 SNOMED CT codes (185463005, 185464004, 185465003, 30346009, 3391000175108, 37894004, 439740005).	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Outpatient Encounters for Preventive Care (2.16.840.1.113762.1.4.1047.9) with grouping value set Outpatient Encounters for Preventive Care (2.16.840.1.113883.3.526.3.1576) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Replaced SNOMED CT value set Hospice care ambulatory (2.16.840.1.113762.1.4.1108.15) with grouping value set Hospice Care Ambulatory (2.16.840.1.113883.3.526.3.1584) to align with best practices, based on expert review and/or public feedback.	Value Set	Terminology	Annual Update
Removed ICD-9-CM extensional value sets from applicable Groupings due to ICD-9-CM no longer being maintained, except for data elements which have an indefinite lookback period. .	Value Set	Terminology	Measure Lead
Added grouping value set CABG, PCI Procedure (2.16.840.1.113762.1.4.1138.566) to the measure to allow for alternate options to capture atherosclerotic cardiovascular disease (ASCVD).	Value Set	Terminology	ONC Project Tracking System (Jira): CQM-3464
Replaced ICD-10-CM value set Palliative care encounter (2.16.840.1.113883.3.600.1.1575) with direct reference code ICD-10-CM code (Z51.5) to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Annual Update

CMS349v3 - HIV Screening

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated Measure Developer name from 'Mathematica Policy Research' to 'Mathematica'.	Header	Measure Developer	Measure Lead
Updated copyright.	Header	Copyright	Annual Update
Updated rationale with newer studies and data.	Header	Rationale	Measure Lead
Updated the clinical recommendation statement with newer studies and data.	Header	Clinical Recommendation Statement	Measure Lead
Updated references.	Header	Reference	Standards Update
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Streamlined the logic by using an interval for age instead of two inequalities.	Logic	Initial Population	Measure Lead
Updated the logic to refer to HIV Indicators to align with the value set change 'Indicators of Human Immunodeficiency Disease (HIV)'.	Logic	Denominator Exclusions	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Updated version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-5.0.000). Updated definitions and functions in the MAT Global Common Functions Library to align with standards changes, CQL Style Guide, and to include one new function related to calculating length of hospital stays with observation stays.	Logic	Multiple Sections	Standards Update
Value set (2.16.840.1.113762.1.4.1056.54): Renamed grouping value set to Indicators of Human Immunodeficiency Virus (HIV) to clarify purpose of the value set and better align with value set content. Renamed extensional value sets (2.16.840.1.113762.1.4.1056.51, 2.16.840.1.113762.1.4.1056.52, and 2.16.840.1.113762.1.4.1056.53) within the grouping value set to clarify purpose of the value sets and better align with value set content.	Value Set	Terminology	Measure Lead
Value set Indicators of Human Immunodeficiency Virus (HIV) (2.16.840.1.113762.1.4.1056.54): Deleted 11 SNOMED CT codes (103406000, 103407009, 103408004, 103411003, 103412005, 103413000, 103414006, 165816005, 103409007, 103410002, 698703002) based on new or changed coding guidelines. Added 1 ICD-9-CM code (176.9) based on expert review and/or public feedback.	Value Set	Terminology	Annual Update

CMS645v4 - Bone Density Evaluation for Patients with Prostate Cancer and Receiving Androgen Deprivation Therapy

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Added definition for 'First Androgen Deprivation Therapy' for clarity.	Header	Definition	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Updated guidance to include new SNOMED CT code to capture the practitioner's intent of androgen deprivation therapy (ADT) for a period of 12 months or greater. SNOMED CT code is 456381000124102, Injection of leuprolide acetate for twelve month period (regime/therapy), which replaces a HCPCS code.	Header	Guidance	Measure Lead
Changed Numerator Exclusion Header from 'None' to 'Not Applicable' to harmonize across measures and to align with CMS MMS Blueprint requirements.	Header	Numerator Exclusions	Expert Work Group Review
Changed the 'First Androgen Deprivation Therapy' definition logic to consider the end of the cancer diagnosis and allowed a patient with a prior prostate cancer diagnosis that ended (not likely) to be in the Initial Population.	Logic	Initial Population	Measure Lead
Revised qualifying encounter definition to align with style guide. Changed definition title from 'Qualifying Encounter' to 'Has Qualifying Encounter' and embedded the exists operator into the definition, clarifying the Boolean return type.	Logic	Initial Population	Measure Lead
Changed the 'First Androgen Deprivation Therapy' definition logic to consider the end of the cancer diagnosis and allowed a patient with a prior prostate cancer diagnosis that ended (not likely) to be in the Initial Population.	Logic	Definitions	Measure Lead
Revised numerator definition to align with the Clinical Quality Language (CQL) style guide. Changed definition title from 'Baseline DEXA Scan Two Years Prior to the Start of or Less than Three Months After the Start of ADT' to 'Has Baseline DEXA Scan Two Years Prior to the Start of or Less than Three Months After the Start of ADT'; embedded the exists operator into the definition; linked the First Androgen Deprivation Therapy definition to both the DEXA ordered ('Diagnostic Study, Order') and performed ('Diagnostic Study, Performed'). Change also removed the 'Bone Density Scan Ordered or Performed' definition.	Logic	Definitions	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated Clinical Quality Language (CQL) expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update
Value set Androgen deprivation therapy for Urology Care (2.16.840.1.113762.1.4.1151.48): Added 1 RxNorm code (571914) based on new or changed coding guidelines and deleted 1 RxNorm code (284986) based on terminology update.	Value Set	Terminology	Annual Update
Value set Prostate Cancer (2.16.840.1.113883.3.526.3.319): Deleted 1 ICD-9-CM code (185). Removed ICD-9 codes from all measures that do not have lookback periods or removed ICD-9 codes from all measures with lookback period for which the ICD-9 codes were no longer relevant.	Value Set	Terminology	Annual Update
Replaced value set Male (2.16.840.1.113883.3.560.100.1) with direct reference code AdministrativeGender Code (M) to align with best practices for replacing single code value sets with direct reference codes.	Value Set	Terminology	Standards Update

CMS771v2 - Urinary Symptom Score Change 6-12 Months After Diagnosis of Benign Prostatic Hyperplasia

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Changed measure title to shorten.	Header	eCQM Title	Measure Lead
Updated eCQM Version Number.	Header	eCQM Version Number	Standards Update
Updated copyright.	Header	Copyright	Annual Update
Updated disclaimer.	Header	Disclaimer	Standards Update
Updated measure type.	Header	Measure Type	Measure Lead
Added text to identify the Quality Data Model (QDM) version used in the measure specification.	Header	Guidance	Standards Update
Added text to indicate whether the measure is patient-based or episode-based.	Header	Guidance	Standards Update
Added hyphen to 30-day phrase in Guidance to standardize language.	Header	Guidance	Measure Lead
Changed numerator exclusions from 'None' to 'Not Applicable' to harmonize with other measures.	Header	Numerator Exclusions	Expert Work Group Review
Updated the denominator exclusion logic to require proper information return (is not null) in the definition.	Logic	Denominator Exclusions	Measure Lead
Changed name of definition used in the denominator exclusions from 'Initial BPH Diagnosis Starts During or Within 30 Days After End of Hospitalization' to 'Has Initial BPH Diagnosis Starts During or Within 30 Days After End of Hospitalization' to indicate return of a Boolean response.	Logic	Definitions	Measure Lead
Changed alias to 'AUASIAssessment' and 'LastAUASI'. The alias for the primary retrieve (first line of expression) is different than the alias used within the 'LastAUASIONDate' variable to allow the last AUASI to return for each day that there was an AUASI performed. The 'LastAUASIONDate' will always be the last AUASI. This accommodates a situation where there may be more than one Urinary Symptom Score in a day to force the last score to count.	Logic	Definitions	Measure Lead
Updated Documented IPSS Assessment Result definition to make the definition cleaner and to align with Clinical Quality Language (CQL) Style Guide.	Logic	Definitions	Measure Lead
Added new definition 'Has Qualifying BPH diagnosis' to streamline initial population logic.	Logic	Definitions	Measure Lead
Changed definition title from 'Initial BPH Diagnosis Starts During or Within 30 Days After End of Hospitalization' to 'Has Initial BPH Diagnosis Starts During or Within 30 Days After End of Hospitalization' to reflect a Boolean return type.	Logic	Definitions	Measure Lead
Updated Initial BPH Diagnosis Within 6 Months Before or After Start of Measurement Period Prevalence Period definition by adding 'First' to capture a first diagnosis in the event of more than one diagnosis.	Logic	Definitions	Measure Lead
Added starts on or before timing to the Morbid Obesity Diagnosis On or Before Follow Up USS Assessment definition to enable an ongoing diagnosis of morbid obesity.	Logic	Definitions	Measure Lead
Changed definition title from Urinary Symptom Score to Urinary Symptom Score Tuple Return to align with the CQL Style Guide.	Logic	Definitions	Measure Lead
QDM v5.5 standards update: Added 'relevantDatetime' attribute to QDM datatypes. 'RelevantDatetime' indicates when the action occurred whereas 'authorDatetime' indicates when the action was recorded.	Logic	Multiple Sections	Standards Update
Updated CQL expression to conform with the HL7 Standard: Clinical Quality Language Specification, Release 1 STU 4 (CQL 1.4).	Logic	Multiple Sections	Standards Update
Updated the names of CQL definitions, functions, and/or aliases for clarification and to align with the CQL Style Guide.	Logic	Multiple Sections	Standards Update

CMS771v2 - Urinary Symptom Score Change 6-12 Months After Diagnosis of Benign Prostatic Hyperplasia

Technical Release Notes	Type of TRN	Measure Section	Source of Change
Value set Morbid Obesity (2.16.840.1.113762.1.4.1164.67): Added Morbid Obesity grouping value set based on terminology updates and to better align with measure intent. The grouping value set includes the ICD-10-CM value set used in the prior version of the measure, Morbid Obesity (2.16.840.1.113762.1.4.1164.65), plus a SNOMED CT value set, Morbid Obesity (2.16.840.1.113762.1.4.1164.66), containing 2 SNOMED CT codes (238136002, 408512008).	Value Set	Terminology	Annual Update