

**Technical Release Notes:**

**2022 Performance Period Electronic Clinical Quality Measures (eCQMs)  
for Eligible Professionals and Eligible Clinicians**

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

**CMS2v11 - Preventive Care and Screening: Screening for Depression and Follow-Up Plan**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b>  |
|--|--------------------|-----------------------------------|--------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update            |
| Removed NQF number and notation of endorsement from measure header because this measure is no longer endorsed by NQF.  | Header             | NQF Number                        | Measure Lead             |
| Updated Measure Developer.   | Header             | Measure Developer                 | Measure Lead             |
| Removed NQF number and notation of endorsement from measure header because this measure is no longer endorsed by NQF.  | Header             | Endorsed By                       | Measure Lead             |
| Updated copyright.   | Header             | Copyright                         | Annual Update            |
| Updated disclaimer.  | Header             | Disclaimer                        | Annual Update            |
| Updated the rationale to align with current evidence based on published literature.  | Header             | Rationale                         | Measure Lead             |
| Added the 2019 United States Preventative Services Task Force recommendation statement about perinatal depression to ensure measure includes updated evidence and clinical guidelines.   | Header             | Clinical Recommendation Statement | Expert Work Group Review |
| Updated references.  | Header             | Reference                         | Annual Update            |
| Updated the language in the list of numerator-compliant follow-up plans to ensure patients receive clinically appropriate treatment based on the recommendations from clinical experts.  | Header             | Definition                        | Expert Work Group Review |
| Added a new guidance statement to clarify measure instructions regarding the appropriateness of pharmacological intervention.  | Header             | Guidance                          | Expert Work Group Review |
| Added guidance statement that a specific depression screening score is not required to calculate the measure for clarity and to align with guidance from the PREV-12 modality.   | Header             | Guidance                          | Measure Lead             |
| Made minor updates to grammar and wording to improve readability and consistency.  | Header             | Guidance                          | Annual Update            |
| Removed language related to setting.   | Header             | Guidance                          | Measure Lead             |
| Updated existing guidance to reflect the language changes to the list of numerator-compliant follow-up plans in the Definition section.  | Header             | Guidance                          | Expert Work Group Review |
| 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 the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update         |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update         |
| Value set Encounter to Screen for Depression (2.16.840.1.113883.3.600.1916): Deleted 1 CPT code (99201) based on terminology update.   | Value Set          | Terminology                       | Annual Update            |
| Value set Bipolar Diagnosis (2.16.840.1.113883.3.600.450): Added 7 ICD-9-CM codes (296.50, 296.51, 296.53, 296.54, 296.55, 296.56, 296.89) based on review by technical experts, SMEs, and/or public feedback. Added 1 ICD-10-CM code (F31.0) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead             |

**CMS2v11 - Preventive Care and Screening: Screening for Depression and Follow-Up Plan**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Value set Depression Diagnosis (2.16.840.1.113883.3.600.145): Deleted 6 ICD-10-CM codes (O90.6, O99.340, O99.341, O99.342, O99.343, O99.345) based on review by technical experts, SMEs, and/or public feedback. Added 1 ICD-9-CM code (296.35) based on review by technical experts, SMEs, and/or public feedback. Added 3 SNOMED CT codes (191604000, 10811121000119102, 133121000119109) based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |
| Replaced value sets Negative Depression Screening (2.16.840.1.113883.3.526.3.1564) and Positive Depression Screening (2.16.840.1.113883.3.526.3.1565) with direct reference codes SNOMED CT codes (428171000124102, 428181000124104) based on applicability of a single code to represent clinical data.  | Value Set          | Terminology            | Annual Update           |
| Value set Adult Depression Medications (2.16.840.1.113883.3.526.3.1566): Added 1 RxNorm code (616402) based on review by technical experts, SMEs, and/or public feedback. Deleted 3 RxNorm codes (251200, 794947, 199283) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Adolescent Depression Medications (2.16.840.1.113883.3.526.3.1567): Deleted 2 RxNorm codes (251200, 794947) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Follow Up for Adult Depression (2.16.840.1.113883.3.526.3.1568): Added 1 SNOMED CT code (228557008) based on terminology update. Deleted 1 SNOMED CT code (304891004) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Follow Up for Adolescent Depression (2.16.840.1.113883.3.526.3.1569): Added 1 SNOMED CT code (228557008) based on terminology update. Deleted 1 SNOMED CT code (304891004) based on terminology update.   | Value Set          | Terminology            | Annual Update           |

**CMS22v10 - Preventive Care and Screening: Screening for High Blood Pressure and Follow-Up Documented**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b>  |
|---|--------------------|------------------------|--------------------------|
| Updated the eCQM version number.  | Header             | eCQM Version Number    | Annual Update            |
| Updated Measure Developer.  | Header             | Measure Developer      | Measure Lead             |
| Replaced 'pre-hypertensive' with 'elevated' to reflect updated blood pressure classifications in the most recent American College of Cardiology (ACC) and American Heart Association (AHA) Guidelines.  | Header             | Description            | Measure Lead             |
| Updated copyright.  | Header             | Copyright              | Annual Update            |
| Updated the Rationale section to incorporate language reflecting ACC/AHA guidelines stressing the importance of periodic blood pressure screening to preventing cardiovascular disease risk, and evidence from the peer-reviewed literature indicating potential for improved blood pressure levels following pharmacist-led interventions involving medication counseling and patient education.   | Header             | Rationale              | Measure Lead             |
| Updated references.   | Header             | Reference              | Annual Update            |
| Updated blood pressure readings indicating elevated and hypertensive thresholds and recommended follow-up interventions per the 2017 ACC/AHA guidelines.  | Header             | Definition             | Measure Lead             |
| Added clarifying language to guidance section indicating that the measure is not eligible for telehealth visits.  | Header             | Guidance               | Measure Lead             |
| Added clarifying language to guidance section of episode-based measures to define the episode.  | Header             | Guidance               | Measure Lead             |
| Replaced 'pre-hypertensive' with 'elevated' to reflect updated blood pressure classifications per the 2017 ACC/AHA guidelines.  | Header             | Multiple Sections      | Measure Lead             |
| Updated systolic and diastolic blood pressure (SBP and DBP) values for Encounters with Normal (SBP less than 120 mmHg and DBP less than 80 mmHg) and Elevated (SBP 120 to 129 mmHg and DBP less than 80 mmHg), First (SBP greater than or equal to 130 mmHg or DBP greater than or equal to 80 mmHg), and Second (SBP 130 to 139 mmHg or DBP 80 to 89 mmHg or SBP greater than or equal to 140 mmHg or DBP greater than or equal to 90 mmHg) Hypertensive Readings per the 2017 ACC/AHA guidelines. | Logic              | Numerator              | Expert Work Group Review |
| Linked denominator exception 'patient reason' to appropriate blood pressure classifications and recommended follow up plans defined in the numerator. Clinicians will only meet the exception criteria if the documentation reflects that the patient declined one of the follow up interventions that is appropriate based on the patient's BP at that encounter.  | Logic              | Denominator Exceptions | Measure Lead             |
| Added denominator exceptions for patients declining interventions for encounters with elevated or first or second hypertensive readings.  | 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              | Multiple Sections      | Standards Update         |
| Updated blood pressure values for Encounters with Elevated, First, and Second Hypertensive readings and recommended follow-up interventions associated with each threshold to align with the 2017 ACC/AHA guidelines. There are two sets of follow-up interventions for the SBP and DBP thresholds given for Encounters with Second Hypertensive Readings.  | Logic              | Multiple Sections      | Expert Work Group Review |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.   | Logic              | Multiple Sections      | Standards Update         |

**CMS22v10 - Preventive Care and Screening: Screening for High Blood Pressure and Follow-Up Documented**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Value set Weight Reduction Recommended (2.16.840.1.113883.3.600.1510): Added 6 SNOMED CT codes (1181000175107, 284352003, 388975008, 398752005, 410201001, 445033007) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Dietary Recommendations (2.16.840.1.113883.3.600.1515): Added 6 SNOMED CT codes (1151000175103, 285383009, 435771000124106, 699849008, 715282001, 770749002) based on review by technical experts, SMEs, and/or public feedback. Deleted 4 SNOMED CT codes (289177005, 437211000124103, 437391000124102, 438961000124108) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Encounter to Screen for Blood Pressure (2.16.840.1.113883.3.600.1920): Deleted 1 CPT code (99201) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Diagnosis of Hypertension (2.16.840.1.113883.3.600.263): Deleted 1 ICD-10-CM code (I67.4) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Pharmacologic Therapy for Hypertension (2.16.840.1.113883.3.526.1577): Deleted 33 RxNorm codes based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Referral to Primary Care or Alternate Provider (2.16.840.1.113883.3.526.3.1580): Added 2 SNOMED CT codes (306362008, 453641000124107) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Removed value set Follow Up Within One Year (2.16.840.1.113883.3.526.3.1579) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added direct reference codes SNOMED CT codes (183624006, 183625007) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |

**CMS50v10 - Closing the Referral Loop: Receipt of Specialist Report**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>     | <b>Source of Change</b>                                      |
|--|--------------------|----------------------------|--|
| Updated the eCQM version number.   | Header             | eCQM Version Number        | Annual Update  |
| Updated Measure Developer.   | Header             | Measure Developer          | Measure Lead   |
| Updated copyright.   | Header             | Copyright                  | Annual Update  |
| Updated disclaimer.  | Header             | Disclaimer                 | Annual Update  |
| Modified the Stille reference in the rationale to align with APA in-text citation guidelines.  | Header             | Rationale                  | Measure Lead   |
| Revised the guidance to aid implementation by clarifying who is responsible for reporting the measure and the clinical actions required.   | Header             | Guidance                   | <a href="#">ONC Project Tracking System (Jira): CQM-4138</a> |
| Revised initial population statement language to promote readability.  | Header             | Initial Population         | Annual Update  |
| Removed extraneous comma in Supplemental Data Elements field.  | Header             | Supplemental Data Elements | Annual Update  |
| Added a return clause to the 'Intervention, Performed': 'Referral' portion of the First Referral during Measurement Period definition to enable passing of consistent information to identify the first referral.  | Logic              | Definitions                | Annual Update  |
| Updated the attributes identified with the first referral in the Referring Provider Receives Consultant Report to Close Referral Loop definition to align with those described in the First Referral during Measurement Period definition.   | Logic              | Definitions                | Annual 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 the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections          | Standards Update   |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections          | Standards Update   |
| Value set Consultant Report (2.16.840.1.113883.3.464.1003.121.12.1006): Added 14 LOINC codes based on terminology update.  | Value Set          | Terminology                | Annual Update  |

**CMS56v10 - Functional Status Assessment for Total Hip Replacement**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Multiple Sections      | 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              | Multiple Sections      | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Value set Primary THA Procedure (2.16.840.1.113883.3.464.1003.198.12.1006): Added 1 SNOMED CT code (770606008) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Fracture - Lower Body (2.16.840.1.113883.3.464.1003.113.12.1037): Added 1 SNOMED CT code (764932008) based on review by technical experts, SMEs, and/or public feedback. Deleted 3 SNOMED CT codes (208623004, 208627003, 208614002) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Replaced value set Hip Dysfunction and Osteoarthritis Outcome Score for Joint Replacement [HOOSJR] (2.16.840.1.113883.3.464.1003.118.12.1210) and replaced with direct reference code LOINC Code (82323-7) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |



**CMS66v10 - Functional Status Assessment for Total Knee Replacement**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Multiple Sections      | 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              | Multiple Sections      | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Value set Primary TKA Procedure (2.16.840.1.113883.3.464.1003.198.12.1007): Added 4 SNOMED CT codes (444463001, 609588000, 764931001, 764932008) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Fracture - Lower Body (2.16.840.1.113883.3.464.1003.113.12.1037): Added 1 SNOMED CT code (764932008) based on review by technical experts, SMEs, and/or public feedback. Deleted 3 SNOMED CT codes (208623004, 208627003, 208614002) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Replaced value set Knee Injury and Osteoarthritis Outcome Score for Joint Replacement [KOOSJR] (2.16.840.1.113883.3.464.1003.118.12.1218) with direct reference code LOINC code (82324-5) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |

**CMS68v11 - Documentation of Current Medications in the Medical Record**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Removed NQF number and notation of endorsement from measure header because this measure is no longer endorsed by NQF.  | Header             | NQF Number                        | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer                 | Measure Lead            |
| Removed NQF number and notation of endorsement from measure header because this measure is no longer endorsed by NQF.  | Header             | Endorsed By                       | Measure Lead            |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer                        | Annual Update           |
| Updated rationale to incorporate current literature and statistics.  | Header             | Rationale                         | Measure Lead            |
| Updated clinical recommendation statement to align with The Joint Commission's 2020 Ambulatory Health Care National Patient Safety Goals guide.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Standards Update        |
| Relocated the provider attestation statement in the guidance section to improve readability.   | Header             | Guidance                          | Annual Update           |
| Added clarifying language to guidance section of episode-based measures to define the episode.   | Header             | Guidance                          | Annual Update           |
| Removed extraneous comma in Supplemental Data Elements field.  | Header             | Supplemental Data Elements        | Annual Update           |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Definitions                       | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered.                               | Logic              | Functions                         | 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        |
| Value set Encounter to Document Medications (2.16.840.1.113883.3.600.1.1834): Added 6 CPT codes (99211, 92549, 92650, 92651, 92652, 92653) based on terminology update. Deleted 2 CPT codes (92585, 99201) based on terminology update. Added 7 SNOMED CT codes (183382003, 163497009, 169762003, 18114009, 183383008, 698610002, 870422002) based on review by technical experts, SMEs, and/or public feedback. Deleted 3 SNOMED CT codes (273643004, 385973000, 405096004) based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology                       | Measure Lead            |

**CMS69v10 - Preventive Care and Screening: Body Mass Index (BMI) Screening and Follow-Up**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated Measure Developer.   | Header             | Measure Developer      | Measure Lead            |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer             | Annual Update           |
| Updated the rationale to align with current evidence based on published literature.  | Header             | Rationale              | Measure Lead            |
| Updated references.  | Header             | Reference              | Annual Update           |
| Removed 'There is no diagnosis associated with this measure' from the guidance section to ensure that the measure guidance aligns with eCQM technical specification and logic, which does use diagnosis codes.   | Header             | Guidance               | Annual Update           |
| Added clarifying language to guidance section indicating that the measure is not eligible for telehealth visits.   | Header             | Guidance               | Measure Lead            |
| Made minor updates to grammar and wording to improve readability and consistency.  | Header             | Multiple Sections      | Annual 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 the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Value set Encounter to Evaluate BMI (2.16.840.1.113883.3.600.1.1751): Deleted 1 CPT code (99201) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Pregnancy or Other Related Diagnoses (2.16.840.1.113883.3.600.1.1623): Added 5 ICD-10-CM codes (O99.891, O99.892, O99.893, O34.218, O34.22), Deleted 2 ICD-10-CM codes (A34, O99.89), Added 1 SNOMED CT code (169488004), Deleted 1 SNOMED CT code (102873005) based on terminology update and review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Medications for Above Normal BMI (2.16.840.1.113883.3.526.3.1561): Deleted 2 RxNorm codes (1300706, 1808549) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Medications for Below Normal BMI (2.16.840.1.113883.3.526.3.1562): Deleted 1 RxNorm code (860231) based on terminology update.   | Value Set          | Terminology            | Annual Update           |

**CMS74v11 - Primary Caries Prevention Intervention as Offered by Primary Care Providers, including Dentists**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population     | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |

**CMS75v10 - Children Who Have Dental Decay or Cavities**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Revised the measure description to align with the measure intent and guidance.   | Header             | Description            | Measure Lead            |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Added clarifying language to the guidance section indicating that the measure is not eligible for telehealth visit.  | Header             | Guidance               | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Multiple Sections      | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Value set Dental Caries (2.16.840.1.113883.3.464.1003.125.12.1004): Deleted 10 ICD-9-CM codes (521.00, 521.01, 521.02, 521.03, 521.04, 521.05, 521.06, 521.07, 521.08, 521.09) based on validity of code during timing of look back period.  | Value Set          | Terminology            | Measure Lead            |

**CMS90v11 - Functional Status Assessments for Heart Failure**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>                   | <b>Source of Change</b> |
|--|--------------------|--|-------------------------|
| Removed 'congestive' from the measure title to align with the measure intent.  | Header             | eCQM Title                               | Measure Lead            |
| Updated the eCQM version number.   | Header             | eCQM Version Number                      | Annual Update           |
| Revised the measure description to align with the measure intent and guidance.   | Header             | Description                              | Measure Lead            |
| Updated copyright.   | Header             | Copyright                                | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale                                | Measure Lead            |
| Updated the guidance language to clarify encounter timing and align with the measure intent.   | Header             | Guidance                                 | Measure Lead            |
| Revised the initial population timing language to align with the logic.  | Header             | Initial Population                       | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions                   | Measure Lead            |
| Revised the 'KCCQ Total Assessment Completed' definition name to reflect a similar format in other definitions in the measure.   | Logic              | Definitions                              | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Multiple Sections                        | Measure Lead            |
| Replaced the 'Follow Up Encounter' definition in the initial population with a new definition 'Two Outpatient Encounters during Measurement Period' to align the encounter timing with the measure intent.   | Logic              | Multiple Sections                        | 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              | Multiple Sections                        | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                        | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                        | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                        | Measure Lead            |
| Revised the measure CQL library name from FunctionalStatusAssessmentsforCongestiveHeartFailure to FunctionalStatusAssessmentsforHeartFailure to align with the revised measure title. This change will be seen in the measure package and not the human readable specification.  | Logic              | eCQM Identifier (Measure Authoring Tool) | Measure Lead            |
| Value set Heart Failure (2.16.840.1.113883.3.526.3.376): Added 1 SNOMED CT code (871617000) based on terminology update.   | Value Set          | Terminology                              | Annual Update           |
| Added value set Online Assessments (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.   | Value Set          | Terminology                              | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                              | Measure Lead            |

**CMS117v10 - Childhood Immunization Status**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Annual Update           |
| Revised the guidance to clarify the measure intent and numerator criteria.   | Header             | Guidance                          | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Revised the initial population to remove lower age boundary.   | Logic              | Initial Population                | Measure Lead            |
| Added definitions 'LAIV Vaccinations' and 'Two Influenza Vaccinations Including One LAIV Vaccination' to the numerator to allow for patients 2 years of age to receive an influenza LAIV vaccination as one of the two recommended influenza immunization doses.   | Logic              | Numerator                         | Measure Lead            |
| Replaced the 'Anaphylactic Reaction to Hepatitis A Vaccine' value set with a direct reference code 'Adverse reaction to vaccine product containing Hepatitis A virus antigen' in the Hepatitis A Numerator Inclusion Conditions definition.  | Logic              | Definitions                       | Measure Lead            |
| Updated select numerator definitions with current SNOMED code descriptions.  | Logic              | Definitions                       | Measure Lead            |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Functions                         | Standards Update        |
| Added the definition 'Date of Second Birthday' to clarify the timing for patient's second birthday for numerator criteria.   | Logic              | Multiple Sections                 | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Multiple Sections                 | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Value set Measles, Mumps and Rubella (MMR) Vaccine Administered (2.16.840.1.113883.3.464.1003.110.12.1031): Added 2 SNOMED CT codes (571591000119106, 572511000119105) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |
| Value set Rubella (2.16.840.1.113883.3.464.1003.110.12.1037): Deleted 2 SNOMED CT codes (111867004, 84611003) based on validity of code during timing of look back period.   | Value Set          | Terminology                       | Measure Lead            |
| Value set Hepatitis A Vaccine Administered (2.16.840.1.113883.3.464.1003.110.12.1041): Added 3 SNOMED CT codes (871752004, 871753009, 871754003) based on terminology update.  | Value Set          | Terminology                       | Annual Update           |
| Value set Inactivated Polio Vaccine (IPV) Administered (2.16.840.1.113883.3.464.1003.110.12.1045): Added 21 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |

**CMS117v10 - Childhood Immunization Status**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Measles (2.16.840.1.113883.3.464.1003.110.12.1053): Added 1 SNOMED CT code (359686005) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Removed value set Anaphylactic Reaction to Hepatitis A Vaccine (2.16.840.1.113883.3.464.1003.199.12.1026) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Hepatitis B (2.16.840.1.113883.3.464.1003.110.12.1025): Added 1 SNOMED CT code (838380002) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Malignant Neoplasm of Lymphatic and Hematopoietic Tissue (2.16.840.1.113883.3.464.1003.108.12.1009): Added 61 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 28 SNOMED CT codes based on validity of code during timing of look back period.  | Value Set          | Terminology            | Measure Lead            |
| Value set DTaP Vaccine Administered (2.16.840.1.113883.3.464.1003.110.12.1022): Added 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Disorders of the Immune System (2.16.840.1.113883.3.464.1003.120.12.1001): Added 12 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 2 SNOMED CT codes (234603007, 25109007) based on review by technical experts, SMEs, and/or public feedback. Added 10 ICD-10-CM codes (D84.81, D84.821, D84.822, D84.89, D89.831, D89.832, D89.833, D89.834, D89.835, D89.839) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Severe Combined Immunodeficiency (2.16.840.1.113883.3.464.1003.120.12.1007): Deleted 1 SNOMED CT code (203592006) based on validity of code during timing of look back period.   | Value Set          | Terminology            | Measure Lead            |
| Value set Intussusception (2.16.840.1.113883.3.464.1003.199.12.1056): Added 3 SNOMED CT codes (26316005, 64976006, 91446004) based on review by technical experts, SMEs, and/or public feedback. Deleted 1 SNOMED CT code (197048002) based on validity of code during timing of look back period.   | Value Set          | Terminology            | Measure Lead            |
| Value set Varicella Zoster (2.16.840.1.113883.3.464.1003.110.12.1039): Added 11 SNOMED CT codes (15685201000119100, 15685281000119108, 15936581000119108, 15936621000119108, 15989271000119107, 15989311000119107, 15989351000119108, 15991711000119108, 15991791000119104, 838357005, 98541000119101) based on review by technical experts, SMEs, and/or public feedback. Deleted 3 SNOMED CT codes (15681321000119100, 15681401000119101, 186525007) based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |
| Value set Hepatitis B Vaccine Administered (2.16.840.1.113883.3.464.1003.110.12.1042): Added 6 SNOMED CT codes (572561000119108, 770608009, 770616000, 770618004, 786846001, 787438002) based on review by technical experts, SMEs, and/or public feedback. Deleted 1 SNOMED CT code (116802006) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Influenza Virus LAIV Immunization (2.16.840.1.113883.3.464.1003.110.12.1087) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Influenza Virus LAIV Procedure (2.16.840.1.113883.3.464.1003.110.12.1088) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |



**CMS117v10 - Childhood Immunization Status**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set HIV (2.16.840.1.113883.3.464.1003.120.12.1003): Added 9 SNOMED codes (838377003, 840498003, 10755671000119100, 15928141000119107, 771119002, 771126002, 771127006, 72631000119101, 840442003) based on terminology update. | Value Set          | Terminology            | Annual Update           |
| Added direct reference code CPT code (99211) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |

**CMS122v10 - Diabetes: Hemoglobin A1c (HbA1c) Poor Control (> 9%)**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale                         | Measure Lead            |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Annual Update           |
| Updated the guidance to clarify the measure intent and support implementation.   | Header             | Guidance                          | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to clarify the intent of the exclusion criteria.  | Header             | Denominator Exclusions            | Measure Lead            |
| Updated the Denominator Exclusions to add an exclusion for palliative care.  | Header             | Denominator Exclusions            | Measure Lead            |
| Revised the numerator to align with the guidance and measure intent.   | Header             | 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              | Multiple Sections                 | Standards Update        |
| Added telephone visits as appropriate encounters based on the increased use of telehealth services.  | Logic              | Multiple Sections                 | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to align with the header and adhere to QDMv5.5 standards..  | Logic              | Multiple Sections                 | Measure Lead            |
| Updated Denominator Exclusions definition and added 'PalliativeCare.Palliative Care in the Measurement Period' definition to add an exclusion for palliative care.   | Logic              | Multiple Sections                 | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered.                                   | Logic              | Multiple Sections                 | Standards Update        |
| Update Adult Outpatient Encounters CQL library to 2.0.000.   | Logic              | Multiple Sections                 | Measure Lead            |
| Updated Advanced Illness and Frailty Exclusions CQL Library to version 6.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Added PalliativeCareExclusion CQL library to version 1.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Value set Diabetes (2.16.840.1.113883.3.464.1003.103.12.1001): Added 37 SNOMED CT codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 12 SNOMED CT codes (421920002, 4783006, 75682002, 76751001, 769219006, 190388001, 190390000, 395204000, 421750000, 422014003, 703138006, 781000119106) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology                       | Measure Lead            |

**CMS122v10 - Diabetes: Hemoglobin A1c (HbA1c) Poor Control (> 9%)**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Advanced Illness (2.16.840.1.113883.3.464.1003.110.12.1082): Added 34 ICD-10-CM codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations or terminology updates. Added 179 SNOMED CT codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, and based on terminology updates. | Value Set          | Terminology            | Measure Lead            |
| Value set Outpatient (2.16.840.1.113883.3.464.1003.101.12.1087): Added 11 SNOMED CT codes (185463005, 185464004, 185465003, 281036007, 30346009, 37894004, 3391000175108, 439740005, 77406008, 444971000124105, 84251009) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Added 124 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 22 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Encounter (2.16.840.1.113883.3.464.1003.101.12.1088): Deleted 1 SNOMED CT code (413467001) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Added 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 69 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Diagnosis (2.16.840.1.113883.3.464.1003.113.12.1074): Added 14 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Added 166 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Dementia Medications (2.16.840.1.113883.3.464.1003.196.12.1510): Added 4 RxNorm codes (1599803, 1599805, 1805420, 1805425) based on change in measure requirements/measure specification. Deleted 3 RxNorm codes (1858970, 996572, 996624) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Added 10 SNOMED CT codes (10378005, 18083007, 183452005, 19951005, 2252009, 73607007, 305339001, 50699000, 74857009, 78680009) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Replaced value set ED (2.16.840.1.113883.3.464.1003.101.12.1085) with value set Emergency Department Visit (2.16.840.1.113883.3.464.1003.101.12.1010) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Encounter (2.16.840.1.113883.3.464.1003.101.12.1090) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Intervention (2.16.840.1.113883.3.464.1003.198.12.1135) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added direct reference code LOINC code (71007-9) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |

**CMS124v10 - Cervical Cancer Screening**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale              | Measure Lead            |
| Updated references.  | Header             | Reference              | Annual Update           |
| Updated the guidance to clarify the measure intent and support implementation.   | Header             | Guidance               | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions | Measure Lead            |
| Updated the Denominator Exclusions to add an exclusion for palliative care.  | Header             | Denominator Exclusions | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population     | Measure Lead            |
| Updated Denominator Exclusions definition and added PalliativeCare.Palliative Care in the Measurement Period definition to add an exclusion for palliative care.   | Logic              | Denominator Exclusions | Measure Lead            |
| Added 'Congenital or Acquired Absence of Cervix' to the Absence of Cervix definition to support a comprehensive method of identifying hysterectomy with cervix removal.  | Logic              | Definitions            | Measure Lead            |
| Updated Denominator Exclusions definition and added PalliativeCare.Palliative Care in the Measurement Period definition to add an exclusion for palliative care.   | Logic              | Definitions            | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered.   | Logic              | Multiple Sections      | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Added PalliativeCareExclusion CQL library version 1.0.000.   | Logic              | Multiple Sections      | Measure Lead            |
| Value set HPV Test (2.16.840.1.113883.3.464.1003.110.12.1059): Deleted 1 LOINC code (75406-9) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Hysterectomy with No Residual Cervix (2.16.840.1.113883.3.464.1003.198.12.1014): Deleted 3 ICD-9-CM codes (752.43, V88.01, V88.03) based on review by technical experts, SMEs, and/or public feedback. Deleted 2 ICD-10-CM codes (Z90.710, Z90.712) based on review by technical experts, SMEs, and/or public feedback. Added 3 CPT codes (56308, 57530, 57531) based on review by technical experts, SMEs, and/or public feedback. Added 2 SNOMED CT codes (447771005, 473171009) based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |
| Added value set Congenital or Acquired Absence of Cervix (2.16.840.1.113883.3.464.1003.111.12.1016) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |

**CMS124v10 - Cervical Cancer Screening**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.            | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Encounter (2.16.840.1.113883.3.464.1003.101.12.1090) based on change in measure requirements/measure specification.    | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Intervention (2.16.840.1.113883.3.464.1003.198.12.1135) based on change in measure requirements/measure specification. | Value Set          | Terminology            | Measure Lead            |
| Removed direct reference code SNOMED CT code (37687000) based on review by technical experts, SMEs, and/or public feedback.                            | Value Set          | Terminology            | Measure Lead            |
| Added direct reference code LOINC code (71007-9) based on review by technical experts, SMEs, and/or public feedback.                                   | Value Set          | Terminology            | Measure Lead            |

**CMS125v10 - Breast Cancer Screening**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to clarify the intent of the exclusion criteria.  | Header             | Denominator Exclusions            | Measure Lead            |
| Updated the Denominator Exclusions to add an exclusion for palliative care.  | Header             | Denominator Exclusions            | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population                | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to align with the header and adhere to QDMv5.5 standards.   | Logic              | Denominator Exclusions            | Measure Lead            |
| Updated Denominator Exclusions definition and added 'PalliativeCare. Palliative Care in the Measurement Period' definition to add an exclusion for palliative care.  | Logic              | Denominator Exclusions            | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to align with the header and adhere to QDMv5.5 standards.   | Logic              | Definitions                       | Measure Lead            |
| Updated Denominator Exclusions definition and added 'PalliativeCare.Palliative Care in the Measurement Period' definition to add an exclusion for palliative care.   | 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              | Multiple Sections                 | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Update Adult Outpatient Encounters CQL library to 2.0.000.   | Logic              | Multiple Sections                 | Measure Lead            |
| Updated Advanced Illness and Frailty Exclusions CQL Library to version 6.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Added PalliativeCareExclusion library version 1.0.000.   | Logic              | Multiple Sections                 | Measure Lead            |
| Value set Bilateral Mastectomy (2.16.840.1.113883.3.464.1003.198.12.1005): Added 2 SNOMED CT codes (836436008, 870629001) based on review by technical experts, SMEs, and/or public feedback. Deleted 3 SNOMED CT codes (136071000119101, 428529004, 59860000) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |

**CMS125v10 - Breast Cancer Screening**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Advanced Illness (2.16.840.1.113883.3.464.1003.110.12.1082): Added 34 ICD-10-CM codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations or terminology updates. Added 179 SNOMED CT codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, and based on terminology updates. | Value Set          | Terminology            | Measure Lead            |
| Value set Outpatient (2.16.840.1.113883.3.464.1003.101.12.1087): Added 11 SNOMED CT codes (185463005, 185464004, 185465003, 281036007, 30346009, 37894004, 3391000175108, 439740005, 77406008, 444971000124105, 84251009) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Added 124 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 22 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Encounter (2.16.840.1.113883.3.464.1003.101.12.1088): Deleted 1 SNOMED CT code (413467001) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Added 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 69 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Diagnosis (2.16.840.1.113883.3.464.1003.113.12.1074): Added 14 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Added 166 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Dementia Medications (2.16.840.1.113883.3.464.1003.196.12.1510): Added 4 RxNorm codes (1599803, 1599805, 1805420, 1805425) based on change in measure requirements/measure specification. Deleted 3 RxNorm codes (1858970, 996572, 996624) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Value set Unilateral Mastectomy Left (2.16.840.1.113883.3.464.1003.198.12.1133): Added 2 SNOMED CT codes (741009001, 741018004) based on review by technical experts, SMEs, and/or public feedback. Deleted 3 SNOMED CT codes (12275221000119100, 137671000119105, 429009003) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Unilateral Mastectomy Right (2.16.840.1.113883.3.464.1003.198.12.1134): Added 2 SNOMED CT codes (741010006, 741019007) based on review by technical experts, SMEs, and/or public feedback. Deleted 3 SNOMED CT codes (137681000119108, 429242008, 2275171000119100) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Mammography (2.16.840.1.113883.3.464.1003.108.12.1018): Added 18 LOINC codes based on terminology update. Deleted 3 HCPCS codes (G0202, G0204, G0206) based on validity of code during timing of look back period.   | Value Set          | Terminology            | Measure Lead            |
| Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Added 10 SNOMED CT codes (10378005, 18083007, 183452005, 19951005, 2252009, 73607007, 305339001, 50699000, 74857009, 78680009) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |

**CMS125v10 - Breast Cancer Screening**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Encounter (2.16.840.1.113883.3.464.1003.101.12.1090) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Intervention (2.16.840.1.113883.3.464.1003.198.12.1135) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Replaced value set ED (2.16.840.1.113883.3.464.1003.101.12.1085) with value set Emergency Department Visit (2.16.840.1.113883.3.464.1003.101.12.1010) based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |
| Added direct reference code LOINC code (71007-9) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |



**CMS127v10 - Pneumococcal Vaccination Status for Older Adults**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Revised the age in the description to align with updates limiting the numerator to the PPSV23 vaccine.   | Header             | Description                       | Measure Lead            |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale                         | Measure Lead            |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Annual Update           |
| Updated the guidance to clarify the measure intent and support implementation.   | Header             | Guidance                          | Measure Lead            |
| Revised the age in the initial population to align with updates limiting the numerator to the PPSV23 vaccine.  | Header             | Initial Population                | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Revised the numerator statement to align with the clinical recommendations related to age and adverse reactions.   | Header             | Numerator                         | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population                | Measure Lead            |
| Revised the age in the Initial Population definition to align with updates limiting the numerator to the PPSV23 vaccine.   | Logic              | Initial Population                | Measure Lead            |
| Revised the Numerator definition and added two definitions, Has Pneumococcal Polysaccharide Vaccine 23 Administered and Has Pneumococcal Vaccine Adverse Reaction, to align with the clinical recommendations related to age and adverse reactions.  | Logic              | Numerator                         | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology                       | Measure Lead            |
| Added direct reference codes CPT codes (90732, 99211) based on change in measure requirements/measure specification.   | Value Set          | Terminology                       | Measure Lead            |
| Added direct reference code SNOMED CT code (293116002) based on change in measure requirements/measure specification.  | Value Set          | Terminology                       | Measure Lead            |

**CMS127v10 - Pneumococcal Vaccination Status for Older Adults**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Replaced value set Pneumococcal Vaccine Administered (2.16.840.1.113883.3.464.1003.110.12.1034) with value set Pneumococcal Polysaccharide 23 Vaccine (2.16.840.1.113883.3.464.1003.110.12.1089) based on change in measure requirements/measure specification. | Value Set          | Terminology            | Measure Lead            |

**CMS128v10 - Anti-depressant Medication Management**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Annual Update           |
| Revised the definition to clarify timing related to the Index Prescription Start Date.   | Header             | Definition                        | Measure Lead            |
| Revised the guidance to provide more clarity on the timing related to the Index Prescription Start Date.   | Header             | Guidance                          | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Multiple Sections                 | Measure Lead            |
| Added interval timing in the Earliest Antidepressant Dispensed 245 Days Before or 120 Days After Start of Measurement Period definition to increase readability.   | Logic              | Multiple Sections                 | Measure Lead            |
| Added the 'let' clause and consistent aliases in the Denominator Exclusions, Antidepressant Medication Period In 114 Days After Initial Dispense and Antidepressant Medication Period In 231 Days After Initial Dispense definitions to simplify and clarify logic.  | Logic              | Multiple Sections                 | Annual 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 the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology                       | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |
| Value set Major Depression (2.16.840.1.113883.3.464.1003.105.12.1007): Added 1 SNOMED CT code (16264621000119109) based on terminology update. Deleted 6 SNOMED CT codes (191601008, 191602001, 231499006, 274948002, 300706003, 321717001) based on terminology update.   | Value Set          | Terminology                       | Annual Update           |
| Value set Antidepressant Medication (2.16.840.1.113883.3.464.1003.196.12.1213): Deleted 10 RxNorm codes (1439840, 251200, 794947, 1298803, 199283, 199820, 313497, 857291, 857296, 857315) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |
| Removed value set Telephone Evaluation (2.16.840.1.113883.3.464.1003.101.12.1082) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |

**CMS128v10 - Anti-depressant Medication Management**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Removed value set Telephone Management (2.16.840.1.113883.3.464.1003.101.12.1053) based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |

**CMS129v11 - Prostate Cancer: Avoidance of Overuse of Bone Scan for Staging Low Risk Prostate Cancer Patients**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward                   | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer                 | Measure Lead            |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer                        | Annual Update           |
| Spelled out the SEER acronym in the rationale to read 'Surveillance, Epidemiology and End Results' to promote readability.   | Header             | Rationale                         | Measure Lead            |
| Updated clinical recommendation to align with the 2019 AUA guidelines.   | Header             | Clinical Recommendation Statement | Measure Lead            |
| Added clarifying language to guidance section indicating that the measure is not eligible for telehealth visits.   | Header             | Guidance                          | Measure Lead            |
| Updated the narrative denominator exception text to align with grammatical standards and be inclusive of reporting providers.  | Header             | Denominator Exclusions            | Measure Lead            |
| Updated references.  | Header             | Multiple Sections                 | Annual Update           |
| Expanded the initial population to include all patients with a prostate cancer diagnosis to capture all relevant patients.   | Logic              | Initial Population                | 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              | Multiple Sections                 | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Removed value set Male (2.16.840.1.113883.3.560.100.1) based on change in measure requirements/measure specification.  | Value Set          | Terminology                       | Measure Lead            |

**CMS130v10 - Colorectal Cancer Screening**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale              | Measure Lead            |
| Updated references.  | Header             | Reference              | Annual Update           |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to clarify the intent of the exclusion criteria.  | Header             | Denominator Exclusions | Measure Lead            |
| Updated the Denominator Exclusions to add an exclusion for palliative care.  | Header             | Denominator Exclusions | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population     | 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              | Multiple Sections      | Standards Update        |
| Added LatestOf function to the definitions to better capture the end timing of the associated laboratory tests and physical exams.   | Logic              | Multiple Sections      | Standards Update        |
| Revised the advanced illness and frailty denominator exclusion to align with the header and adhere to QDMv5.5 standards.   | Logic              | Multiple Sections      | Measure Lead            |
| Updated Denominator Exclusions definition and added PalliativeCare.Palliative Care in the Measurement Period definition to add an exclusion for palliative care.   | Logic              | Multiple Sections      | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Update Adult Outpatient Encounters CQL library to 2.0.000.   | Logic              | Multiple Sections      | Measure Lead            |
| Updated Advanced Illness and Frailty Exclusions CQL Library to version 6.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Added PalliativeCareExclusion CQL library version 1.0.000.   | Logic              | Multiple Sections      | Measure Lead            |
| Value set Malignant Neoplasm of Colon (2.16.840.1.113883.3.464.1003.108.12.1001): Added 3 ICD-10-CM codes (C21.2, C21.8, C78.5) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Colonoscopy (2.16.840.1.113883.3.464.1003.108.12.1020): Added 5 CPT codes (44393, 44397, 45355, 45383, 45387) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Flexible Sigmoidoscopy (2.16.840.1.113883.3.464.1003.198.12.1010): Added 2 CPT codes (45339, 44397) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |

**CMS130v10 - Colorectal Cancer Screening**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Total Colectomy (2.16.840.1.113883.3.464.1003.198.12.1019): Added 7 SNOMED CT codes (713165008, 787108001, 787109009, 787874000, 787875004, 787876003, 858579005) based on review by technical experts, SMEs, and/or public feedback. Added 2 CPT codes (44152, 44153) based on terminology update.  | Value Set          | Terminology            | Measure Lead            |
| Value set Advanced Illness (2.16.840.1.113883.3.464.1003.110.12.1082): Added 34 ICD-10-CM codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations or terminology updates. Added 179 SNOMED CT codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, and based on terminology updates. | Value Set          | Terminology            | Measure Lead            |
| Replaced value set ED (2.16.840.1.113883.3.464.1003.101.12.1085) with value set Emergency Department Visit (2.16.840.1.113883.3.464.1003.101.12.1010) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Outpatient (2.16.840.1.113883.3.464.1003.101.12.1087): Added 11 SNOMED CT codes (185463005, 185464004, 185465003, 281036007, 30346009, 37894004, 3391000175108, 439740005, 77406008, 444971000124105, 84251009) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Added 124 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 22 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Encounter (2.16.840.1.113883.3.464.1003.101.12.1088): Deleted 1 SNOMED CT code (413467001) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Added 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 69 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Diagnosis (2.16.840.1.113883.3.464.1003.113.12.1074): Added 14 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Added 166 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Dementia Medications (2.16.840.1.113883.3.464.1003.196.12.1510): Added 4 RxNorm codes (1599803, 1599805, 1805420, 1805425) based on change in measure requirements/measure specification. Deleted 3 RxNorm codes (1858970, 996572, 996624) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Added 10 SNOMED CT codes (10378005, 18083007, 183452005, 19951005, 2252009, 73607007, 305339001, 50699000, 74857009, 78680009) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Encounter (2.16.840.1.113883.3.464.1003.101.12.1090) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |

**CMS130v10 - Colorectal Cancer Screening**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Added value set Palliative Care Intervention (2.16.840.1.113883.3.464.1003.198.12.1135) based on change in measure requirements/measure specification. | Value Set          | Terminology            | Measure Lead            |
| Added direct reference code LOINC code (71007-9) based on review by technical experts, SMEs, and/or public feedback.                                   | Value Set          | Terminology            | Measure Lead            |



**CMS131v10 - Diabetes: Eye Exam**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Replaced 'overlaps' or 'overlapping' in the description with plain language to clarify the measure intent.   | Header             | Description                       | Measure Lead            |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale                         | Measure Lead            |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Annual Update           |
| Revised the guidance language to further clarify the measure intent.   | Header             | Guidance                          | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to clarify the intent of the exclusion criteria.  | Header             | Denominator Exclusions            | Measure Lead            |
| Updated the Denominator Exclusions to add an exclusion for palliative care.  | Header             | Denominator Exclusions            | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the numerator with plain language to clarify the measure intent.   | Header             | Numerator                         | Measure Lead            |
| Added telephone visits as appropriate encounter based on the increased use of telehealth services.   | Logic              | Initial Population                | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to align with the header and adhere to QDMv5.5 standards.   | Logic              | Multiple Sections                 | Measure Lead            |
| Updated Denominator Exclusions definition and added PalliativeCare.Palliative Care in the Measurement Period definition to add an exclusion for palliative care.   | Logic              | Multiple Sections                 | 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              | Multiple Sections                 | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered.                                   | Logic              | Multiple Sections                 | Standards Update        |
| Updated Advanced Illness and Frailty Exclusions CQL Library to version 6.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Added PalliativeCareExclusion CQL library version 1.0.000.   | Logic              | Multiple Sections                 | Measure Lead            |
| Value set Diabetes (2.16.840.1.113883.3.464.1003.103.12.1001): Added 37 SNOMED CT codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 12 SNOMED CT codes (421920002, 4783006, 75682002, 76751001, 769219006, 190388001, 190390000, 395204000, 421750000, 422014003, 703138006, 781000119106) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology                       | Measure Lead            |

**CMS131v10 - Diabetes: Eye Exam**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Advanced Illness (2.16.840.1.113883.3.464.1003.110.12.1082): Added 34 ICD-10-CM codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations or terminology updates. Added 179 SNOMED CT codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, and based on terminology updates. | Value Set          | Terminology            | Measure Lead            |
| Replaced value set ED (2.16.840.1.113883.3.464.1003.101.12.1085) with value set Emergency Department Visit (2.16.840.1.113883.3.464.1003.101.12.1010) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Outpatient (2.16.840.1.113883.3.464.1003.101.12.1087): Added 11 SNOMED CT codes (185463005, 185464004, 185465003, 281036007, 30346009, 37894004, 3391000175108, 439740005, 77406008, 444971000124105, 84251009) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Added 124 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 22 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Encounter (2.16.840.1.113883.3.464.1003.101.12.1088): Deleted 1 SNOMED CT code (413467001) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Added 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 69 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Diagnosis (2.16.840.1.113883.3.464.1003.113.12.1074): Added 14 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Added 166 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Dementia Medications (2.16.840.1.113883.3.464.1003.196.12.1510): Added 4 RxNorm codes (1599803, 1599805, 1805420, 1805425) based on change in measure requirements/measure specification. Deleted 3 RxNorm codes (1858970, 996572, 996624) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Value set Diabetic Retinopathy (2.16.840.1.113883.3.526.3.327): Added 1 SNOMED CT code (870420005) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Added 10 SNOMED CT codes (10378005, 18083007, 183452005, 19951005, 2252009, 73607007, 305339001, 50699000, 74857009, 78680009) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Encounter (2.16.840.1.113883.3.464.1003.101.12.1090) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Intervention (2.16.840.1.113883.3.464.1003.198.12.1135) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |

**CMS131v10 - Diabetes: Eye Exam**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Added direct reference code LOINC code (71007-9) based on change in measure requirements/measure specification. | Value Set          | Terminology            | Measure Lead            |

**CMS133v10 - Cataracts: 20/40 or Better Visual Acuity within 90 Days Following Cataract Surgery**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward        | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer      | Measure Lead            |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer             | Annual Update           |
| Added clarifying language to guidance section indicating that the measure is not eligible for telehealth visits.   | Header             | Guidance               | Measure Lead            |
| Added clarifying language to guidance section of episode-based measures to define the episode.   | Header             | Guidance               | Measure Lead            |
| Replaced the 'Episcleritis and Scleritis' value set with a 'Scleritis' value set to reflect updated guidance that episcleritis does not affect central visual acuity and is therefore not a valid exclusion for this measure.  | Logic              | Denominator Exclusions | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Value set Acute and Subacute Iridocyclitis (2.16.840.1.113883.3.526.3.1241): Added 6 SNOMED CT codes (332921000119107, 338531000119102, 344301000119109, 675361000119103, 675371000119109, 675381000119107) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Cataract Surgery (2.16.840.1.113883.3.526.3.1411): Added 3 SNOMED CT codes (172523009, 860930005, 860934001) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Cloudy Cornea (2.16.840.1.113883.3.526.3.1417): Added 3 SNOMED CT codes (333881000119109, 339481000119109, 344611000119101) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Corneal Edema (2.16.840.1.113883.3.526.3.1418): Added 3 SNOMED CT codes (336241000119105, 341851000119102, 347061000119104) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Hereditary Corneal Dystrophies (2.16.840.1.113883.3.526.3.1424): Deleted 2 SNOMED CT codes (418946006, 419087002) based on terminology update. Added 18 ICD-10-CM codes based on terminology update. Deleted 7 ICD-10-CM codes (H18.50, H18.51, H18.52, H18.53, H18.54, H18.55, H18.59) 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 SNOMED CT code (95731004) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Pathologic Myopia (2.16.840.1.113883.3.526.3.1432): Added 5 SNOMED CT codes (16837461000119106, 16837521000119102, 335471000119108, 346481000119100, 846621001) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Uveitis (2.16.840.1.113883.3.526.3.1444): Added 7 SNOMED CT codes (870199008, 870273007, 870329005, 870331001, 870332008, 870333003, 870335005) based on terminology update.   | Value Set          | Terminology            | Annual Update           |

**CMS133v10 - Cataracts: 20/40 or Better Visual Acuity within 90 Days Following Cataract Surgery**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Visual Field Defects (2.16.840.1.113883.3.526.3.1446): Added 5 SNOMED CT codes (16059151000119108, 16059191000119103, 336171000119109, 341781000119100, 346991000119107). Added 14 ICD-10-CM codes based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Amblyopia (2.16.840.1.113883.3.526.3.1448): Added 4 SNOMED CT codes (335461000119102, 341071000119100, 343371000119101, 346331000119107) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Choroidal Detachment (2.16.840.1.113883.3.526.3.1451): Added 7 SNOMED CT codes (336071000119108, 334901000119109, 332111000119102, 343491000119109, 341681000119105, 340511000119109, 337721000119107) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Choroidal Hemorrhage and Rupture (2.16.840.1.113883.3.526.3.1452): Added 4 SNOMED CT codes (336051000119104, 336061000119102, 341661000119101, 341671000119107) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Degenerative Disorders of Globe (2.16.840.1.113883.3.526.3.1454): Deleted 3 SNOMED CT codes (247178009, 30523006, 3712000) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Disorders of Visual Cortex (2.16.840.1.113883.3.526.3.1458): Added 6 ICD-10-CM codes (H47.621, H47.622, H47.631, H47.632, H47.641, H47.642) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Glaucoma Associated with Congenital Anomalies, Dystrophies, and Systemic Syndromes (2.16.840.1.113883.3.526.3.1461): Added 5 SNOMED CT codes (15673041000119101, 15679801000119105, 333151000119108, 338761000119103, 370504007) based on terminology update.                            | Value Set          | Terminology            | Annual Update           |
| Value set Hereditary Choroidal Dystrophies (2.16.840.1.113883.3.526.3.1462): Deleted 1 SNOMED CT code (715417002) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Optic Atrophy (2.16.840.1.113883.3.526.3.1466): Added 6 SNOMED CT codes (348051000119102, 348501000119108, 680991000119108, 838307002, 838345001, 870319003) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Other and Unspecified Forms of Chorioretinitis and Retinochoroiditis (2.16.840.1.113883.3.526.3.1468): Added 14 SNOMED CT codes based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Other Disorders of Optic Nerve (2.16.840.1.113883.3.526.3.1471): Added 4 SNOMED CT codes (838324008, 838363001, 860808008, 860884007) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Prior Penetrating Keratoplasty (2.16.840.1.113883.3.526.3.1475): Added 7 SNOMED CT codes (334551000119102, 334561000119100, 340151000119101, 340161000119104, 345511000119103, 345521000119105, 349321000119104) 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): Added 2 SNOMED CT codes (331831000119109, 337451000119106) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Separation of Retinal Layers (2.16.840.1.113883.3.526.3.1482): Added 3 SNOMED CT codes (334891000119105, 340501000119106, 345811000119101) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Degeneration of Macula and Posterior Pole (2.16.840.1.113883.3.526.3.1453): Added 5 SNOMED CT codes (247200005, 335531000119109, 341141000119106, 346401000119108, 789220007) based on terminology update. Deleted 2 SNOMED CT codes (247145002, 247148000) based on terminology update. | Value Set          | Terminology            | Annual Update           |

**CMS133v10 - Cataracts: 20/40 or Better Visual Acuity within 90 Days Following Cataract Surgery**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Retinal Vascular Occlusion (2.16.840.1.113883.3.526.3.1479): Added 11 SNOMED CT codes (15997911000119103, 15997951000119102, 16279401000119108, 16279441000119105, 16711111000119100, 16711631000119103, 333281000119108, 337421000119103, 338891000119100, 677771000119102, 680941000119100) based on terminology update. | Value Set          | Terminology            | Annual Update           |
| Value set Diabetic Retinopathy (2.16.840.1.113883.3.526.3.327): Added 1 SNOMED CT code (870420005) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Glaucoma (2.16.840.1.113883.3.526.3.1423): Added 1 SNOMED CT codes (15679801000119105) based on terminology update. Deleted 6 SNOMED CT codes (10100008, 193546005, 193549003, 367360002, 55129006, 66990007) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Cataract, Congenital (2.16.840.1.113883.3.526.3.1412): Added 8 SNOMED CT codes (335841000119103, 341451000119100, 346711000119101, 346731000119106, 349281000119109, 679911000119104, 679931000119109, 681041000119106) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Cataract, Posterior Polar (2.16.840.1.113883.3.526.3.1414): Added 2 SNOMED CT codes (15737681000119103, 16477021000119103) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Posterior Lenticonus (2.16.840.1.113883.3.526.3.1433): Added 3 SNOMED CT codes (15987911000119102, 840458000, 15987871000119100) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Traumatic Cataract (2.16.840.1.113883.3.526.3.1443): Added 1 SNOMED CT code (866114005) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Macular Scar of Posterior Polar (2.16.840.1.113883.3.526.3.1559): Added 1 SNOMED CT code (344341000119106) based on terminology update. Deleted 1 SNOMED CT code (246181000119100) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Open Wound of Eyeball (2.16.840.1.113883.3.526.3.1430): Added 4 SNOMED CT codes (10942751000119100, 10942791000119105, 735657000, 870312007) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value Set Nystagmus and Other Irregular Eye Movements (2.16.840.1.113883.3.526.3.1465): Added 1 ICD-10-CM codes (H55.82) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Added value set Scleritis (2.16.840.1.113762.1.4.1226.1) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Removed value set Scleritis and Episcleritis (2.16.840.1.113883.3.526.3.1481) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |

**CMS134v10 - Diabetes: Medical Attention for Nephropathy**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale                         | Measure Lead            |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Annual Update           |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to clarify the intent of the exclusion criteria.  | Header             | Denominator Exclusions            | Measure Lead            |
| Updated the Denominator Exclusions to add an exclusion for palliative care.  | Header             | Denominator Exclusions            | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to align with the header and adhere to QDMv5.5 standards.   | Logic              | Multiple Sections                 | Measure Lead            |
| Revised the Nephropathy Screenings definition to group the procedures, interventions and lab tests separately from the encounters to align timing requirements for each screening data type.   | Logic              | Multiple Sections                 | Annual Update           |
| Added telephone visits as appropriate encounter based on the increased use of telehealth services.   | Logic              | Multiple Sections                 | Measure Lead            |
| Updated Denominator Exclusions definition and added PalliativeCare.Palliative Care in the Measurement Period definition to add an exclusion for palliative care.   | Logic              | Multiple Sections                 | Measure Lead            |
| Removed the Vascular Access for Dialysis value set from the Renal Procedures definition to streamline existing value sets and reduce redundancies.   | Logic              | Multiple Sections                 | 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              | Multiple Sections                 | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Update Adult Outpatient Encounters CQL library to 2.0.000.   | Logic              | Multiple Sections                 | Measure Lead            |
| Updated Advanced Illness and Frailty Exclusions CQL Library to version 6.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Added PalliativeCareExclusion CQL library version 1.0.000.   | Logic              | Multiple Sections                 | Measure Lead            |
| Value set ACE Inhibitor or ARB or ARNI (2.16.840.1.113883.3.526.3.1139): Deleted 9 RxNorm codes (199622, 199707, 199708, 199709, 199816, 199817, 411434, 858921, 199937) based on terminology update.  | Value Set          | Terminology                       | Annual Update           |
| Value set Urine Protein Tests (2.16.840.1.113883.3.464.1003.109.12.1024): Added 6 LOINC codes (89998-9, 89999-7, 90000-1, 93746-6, 95232-5, 95233-3) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |

**CMS134v10 - Diabetes: Medical Attention for Nephropathy**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Value set Kidney Transplant (2.16.840.1.113883.3.464.1003.109.12.1012): Added 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 35 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 4 CPT codes (50300, 50320, 50340, 50370) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Diabetic Nephropathy (2.16.840.1.113883.3.464.1003.109.12.1004): Added 9 SNOMED CT codes (71701000119105, 792926007, 90721000119101, 90731000119103, 90741000119107, 90751000119109, 90761000119106, 90771000119100, 96441000119101) based on terminology update. Deleted 4 SNOMED CT codes (236499007, 236500003, 420514000, 421305000) based on terminology update and updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Removed value set Vascular Access for Dialysis (2.16.840.1.113883.3.464.1003.109.12.1011) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Hypertensive Chronic Kidney Disease (2.16.840.1.113883.3.464.1003.109.12.1017): Added 3 SNOMED CT codes (302910002, 431431000124100, 45281005) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Kidney Failure (2.16.840.1.113883.3.464.1003.109.12.1028): Added 3 ICD-10-CM codes (N18.5, N18.6, N18.30, N18.31, N18.32) based on terminology update. Deleted 1 SNOMED CT code (711000119100) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Glomerulonephritis and Nephrotic Syndrome (2.16.840.1.113883.3.464.1003.109.12.1018): Added 95 SNOMED CT codes and deleted 15 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Added 8 ICD-10-CM codes (N00.A, N01.A, N02.A, N03.A, N04.A, N05.A, N06.A, N07.A) based on terminology update.   | Value Set          | Terminology            | Measure Lead            |
| Value set Dialysis Services (2.16.840.1.113883.3.464.1003.109.12.1013): Added 3 CPT codes (99512, 90997, 90999) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 5 CPT codes (1019320, 90940, 90957, 90958, 90959) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Added 1 HCPCS code (S9339) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Value set Diabetes (2.16.840.1.113883.3.464.1003.103.12.1001): Added 37 SNOMED CT codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 12 SNOMED CT codes (421920002, 4783006, 75682002, 76751001, 769219006, 190388001, 190390000, 395204000, 421750000, 422014003, 703138006, 781000119106) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Advanced Illness (2.16.840.1.113883.3.464.1003.110.12.1082): Added 34 ICD-10-CM codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations or terminology updates. Added 179 SNOMED CT codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, and based on terminology updates.  | Value Set          | Terminology            | Measure Lead            |



**CMS134v10 - Diabetes: Medical Attention for Nephropathy**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Replaced value set ED (2.16.840.1.113883.3.464.1003.101.12.1085) with value set Emergency Department Visit (2.16.840.1.113883.3.464.1003.101.12.1010) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Outpatient (2.16.840.1.113883.3.464.1003.101.12.1087): Added 11 SNOMED CT codes (185463005, 185464004, 185465003, 281036007, 30346009, 37894004, 3391000175108, 439740005, 77406008, 444971000124105, 84251009) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Added 124 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 22 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Encounter (2.16.840.1.113883.3.464.1003.101.12.1088): Deleted 1 SNOMED CT code (413467001) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Added 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 69 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Diagnosis (2.16.840.1.113883.3.464.1003.113.12.1074): Added 14 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Added 166 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |
| Value set Dementia Medications (2.16.840.1.113883.3.464.1003.196.12.1510): Added 4 RxNorm codes (1599803, 1599805, 1805420, 1805425) based on change in measure requirements/measure specification. Deleted 3 RxNorm codes (1858970, 996572, 996624) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Added 10 SNOMED CT codes (10378005, 18083007, 183452005, 19951005, 2252009, 73607007, 305339001, 50699000, 74857009, 78680009) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.               | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Encounter (2.16.840.1.113883.3.464.1003.101.12.1090) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added direct reference code LOINC code (71007-9) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Intervention (2.16.840.1.113883.3.464.1003.198.12.1135) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added direct reference code LOINC code (71007-9) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |

**CMS135v10 - Heart Failure (HF): Angiotensin-Converting Enzyme (ACE) Inhibitor or Angiotensin Receptor Blocker (ARB) Therapy for Left Ventricular Systolic Dysfunction (LVSD)**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward                   | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer                 | Measure Lead            |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer                        | Annual Update           |
| Added ARNI medications to the medication dosing table to align with guidelines and specification.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated definition pertaining to Moderate to Severe LVSD to better align with logic.   | Header             | Definition                        | Annual Update           |
| Updated the Heart Failure Outpatient Encounter with Moderate or Severe LVSD and Heart Failure Inpatient Encounter with Moderate or Severe LVSD denominator definitions' timing from 'before' to 'starts before' to align timing with intent.   | Logic              | Denominator                       | Annual Update           |
| Removed 'Medication, Active' from Population 2 numerator definition to align with standard capture of discharge medications.   | Logic              | Numerator                         | Annual Update           |
| Added timing element to Pregnancy Diagnosis definition to prevent previous pregnancies from being captured in the measure.   | Logic              | Denominator Exceptions            | Annual Update           |
| Updated Outpatient Encounter definitions and removed FaceToFaceEncounter language to signal broadening of encounter type.  | Logic              | Definitions                       | Annual 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 the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Value set ACE Inhibitor or ARB or ARNI (2.16.840.1.113883.3.526.3.1139): Deleted 9 RxNorm codes (199622, 199707, 199708, 199709, 199816, 199817, 411434, 858921, 199937) based on terminology update.  | Value Set          | Terminology                       | Annual Update           |
| Value set Heart Failure (2.16.840.1.113883.3.526.3.376): Added 1 SNOMED CT code (871617000) based on terminology update.   | Value Set          | Terminology                       | Annual Update           |
| Value set Pregnancy (2.16.840.1.113883.3.526.3.378): Added 77 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback. Deleted 19 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback. Deleted 24 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |
| Replaced value set Left Ventricular Systolic Dysfunction (2.16.840.1.113883.3.526.2.859) with direct reference code SNOMED CT code (134401001) based on applicability of a single code to represent clinical data.   | Value Set          | Terminology                       | Annual Update           |

**CMS136v11 - Follow-Up Care for Children Prescribed ADHD Medication (ADD)**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Annual Update           |
| Removed the QDM guidance language related to cumulative medication guidance because it is not necessary for the specification.   | Header             | Guidance                          | Standards Update        |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Removed telehealth restrictions in the numerator due to the increase in the use of telehealth services.  | Header             | Multiple Sections                 | Measure Lead            |
| Combined the Mental Health Diagnoses and Substance Abuse value sets into one value set labeled Mental Behavioral and Neurodevelopmental Disorders to reduce implementer burden.  | Logic              | Denominator Exclusions            | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Numerator                         | Measure Lead            |
| Revised definition names to improve understandability of measure logic intent for implementers.  | Logic              | Definitions                       | Annual Update           |
| Updated the definition name to First ADHD Medication Dispensed during Intake Period to be more specific and improve clarity.   | Logic              | Definitions                       | Measure Lead            |
| Updated the logic in the definition First ADHD Medication Dispensed during Intake Period to incorporate the 'EarliestOf' function to simplify the definition. This includes the addition of 'Earliest' and 'HasStart' functions. The functions 'Earliest', 'EarliestOf', and 'HasStart' provide clarity in handling when null values arise in logic that includes an interval with either a closed or open boundary(ies).  | Logic              | Multiple Sections                 | Annual Update           |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Removed value set Telephone Management (2.16.840.1.113883.3.464.1003.101.12.1053) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |
| Removed value set Substance Abuse (2.16.840.1.113883.3.464.1003.106.12.1004) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |
| Value set Ambulatory (2.16.840.1.113883.3.464.1003.122.12.1003): Added 1 SNOMED CT code (35971002) based on review by technical experts, SMEs, and/or public feedback. Deleted 1 SNOMED CT code (255327002) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |

**CMS136v11 - Follow-Up Care for Children Prescribed ADHD Medication (ADD)**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Removed value set Mental Health Diagnoses (2.16.840.1.113883.3.464.1003.105.12.1004) based on review by technical experts, SMEs, and/or public feedback.                           | Value Set          | Terminology            | Measure Lead            |
| Value set ADHD Medications (2.16.840.1.113883.3.464.1003.196.12.1171): Deleted 2 RxNorm codes (1233709, 892791) based on terminology update.                                       | Value Set          | Terminology            | Annual Update           |
| Added value set Mental, Behavioral and Neurodevelopmental Disorders (2.16.840.1.113883.3.464.1003.105.12.1203) based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.                                    | Value Set          | Terminology            | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |

**CMS137v10 - Initiation and Engagement of Alcohol and Other Drug Dependence Treatment**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale                         | Measure Lead            |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Annual Update           |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Revised the denominator exclusions description to align with the measure intent of identifying patients who had a previous and recent history of treatment for substance abuse.  | Header             | Denominator Exclusions            | Measure Lead            |
| Restructured the numerator 2 description to improve its clarity.   | Header             | Numerator                         | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population                | Measure Lead            |
| Revised the denominator exclusions logic to align with the measure intent of identifying patients who had a previous and recent history of treatment for substance abuse.  | Logic              | Denominator Exclusions            | Measure Lead            |
| Restructured the numerator 2 logic to improve its clarity.   | Logic              | Numerator                         | Measure Lead            |
| Revised the numerator timing logic to align with the measure intent.   | Logic              | Numerator                         | Measure Lead            |
| Revised the age calculations for stratifications to calculate age based on the beginning of the measurement period to align with the age criterion within the initial population.  | Logic              | Stratification                    | Measure Lead            |
| Revised the definition names to clearly indicate the distinct options for treatment initiation to satisfy measure criteria.  | Logic              | Definitions                       | Measure Lead            |
| Updated the alias for First Dependence Diagnosis During Measurement Period for clarity and simplification.   | Logic              | Multiple Sections                 | Annual Update           |
| Updated the Psychosocial Visit and Qualifying Encounters definitions to add online assessment encounters to account for the increase in telehealth services.   | Logic              | Multiple Sections                 | Measure Lead            |
| Updated the timing attribute associated with orders of medications to align with QDM guidance.   | Logic              | Multiple Sections                 | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Value set Detoxification Visit (2.16.840.1.113883.3.464.1003.101.12.1059): Added 1 SNOMED CT code (827094004) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology                       | Measure Lead            |

**CMS137v10 - Initiation and Engagement of Alcohol and Other Drug Dependence Treatment**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Alcohol and Drug Dependence Treatment (2.16.840.1.113883.3.464.1003.106.12.1005): Added 2 SNOMED CT codes (792901003, 792902005) based on terminology update. Added 16 HCPCS codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Alcohol and Drug Dependence (2.16.840.1.113883.3.464.1003.106.12.1001): Added 77 SNOMED CT codes based on evidence in published guidelines, published literature, or from published specialty medical society or group recommendations or terminology update. Deleted 160 SNOMED CT codes based on evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Added 16 ICD-10-CM codes based on evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Value set Opiate Antagonists (2.16.840.1.113883.3.464.1003.198.12.1132): Added 4 RxNorm codes (1551468, 197623, 197624, 835726) based on terminology update. Deleted 5 RxNorm codes (2058257, 1483774, 1483780, 246474, 250426) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Replaced value set Telehealth Services (2.16.840.1.113883.3.464.1003.101.12.1031) with value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |

**CMS138v10 - Preventive Care and Screening: Tobacco Use: Screening and Cessation Intervention**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward                   | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer                 | Measure Lead            |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer                        | Annual Update           |
| Updated the Clinical Recommendation Statement language to add USPSTF recommendation on pharmacotherapy interventions for pregnant women.   | Header             | Clinical Recommendation Statement | Measure Lead            |
| Replaced 'within 12 months' or 'during the 12-month period' with 'during the measurement period' in the header to reduce confusion for implementers.   | Header             | Multiple Sections                 | Annual Update           |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population                | Measure Lead            |
| Revised the definition name Office Based Visit During Measurement Period to Qualified Visit During Measurement Period to reflect the addition of telehealth codes.   | Logic              | Definitions                       | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Value set Tobacco User (2.16.840.1.113883.3.526.3.1170): Deleted 1 SNOMED CT code (43381005) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |
| Value set Tobacco Use Cessation Pharmacotherapy (2.16.840.1.113883.3.526.3.1190): Added 12 RxNorm codes based on review by technical experts, SMEs, and/or public feedback. Deleted 4 RxNorm codes (199283, 993550, 993567, 993681) based on terminology update.   | Value Set          | Terminology                       | Annual Update           |
| Added value set Online Assessments (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.   | Value Set          | Terminology                       | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |

**CMS139v10 - Falls: Screening for Future Fall Risk**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population     | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Added value set Online Assessments (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |



**CMS142v10 - Diabetic Retinopathy: Communication with the Physician Managing Ongoing Diabetes Care**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward        | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer      | Measure Lead            |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer             | Annual Update           |
| Added clarifying language to guidance section indicating that the measure is not eligible for telehealth visits.   | 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              | Multiple Sections      | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Value set Macular Exam (2.16.840.1.113883.3.526.3.1251): Added 2 LOINC codes (71488-1, 71489-9) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Macular Edema Findings Present (2.16.840.1.113883.3.526.3.1320): Added 10 SNOMED CT codes (399874002, 399875001, 769217008, 769218003, 769219006, 769220000, 770097006, 870529009, 871778008, 871781003) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Diabetic Retinopathy (2.16.840.1.113883.3.526.3.327): Added 1 SNOMED CT code (870420005) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |

**CMS143v10 - Primary Open-Angle Glaucoma (POAG): Optic Nerve Evaluation**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward        | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer      | Measure Lead            |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer             | Annual Update           |
| Added clarifying language to guidance section indicating that the measure is not eligible for telehealth visits.   | Header             | Guidance               | Measure Lead            |
| Removed language related to setting.   | Header             | Multiple Sections      | 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              | Multiple Sections      | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Value set Primary Open-Angle Glaucoma (2.16.840.1.113883.3.526.3.326): Deleted 1 SNOMED CT code (66990007) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Office Visit (2.16.840.1.113883.3.464.1003.101.12.1001): Added 1 CPT code (99201) based on validity of code during timing of look back period.   | Value Set          | Terminology            | Annual Update           |

**CMS144v10 - Heart Failure (HF): Beta-Blocker Therapy for Left Ventricular Systolic Dysfunction (LVSD)**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b>                                      |
|--|--------------------|------------------------|--|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update  |
| Updated Measure Steward.   | Header             | Measure Steward        | Measure Lead   |
| Updated Measure Developer.   | Header             | Measure Developer      | Measure Lead   |
| Updated copyright.   | Header             | Copyright              | Annual Update  |
| Updated disclaimer.  | Header             | Disclaimer             | Annual Update  |
| Updated references.  | Header             | Reference              | Annual Update  |
| Updated definition pertaining to Moderate to Severe LVSD to better align with logic.   | Header             | Definition             | Annual Update  |
| Updated the Heart Failure Outpatient Encounter with Moderate or Severe LVSD and Heart Failure Inpatient Encounter with Moderate or Severe LVSD denominator definitions' timing from before to starts before to align timing with intent.   | Logic              | Denominator            | Annual Update  |
| Removed Medication, Active from Population 2 numerator definition to align with standard capture of discharge medications.   | Logic              | Numerator              | Annual Update  |
| Updated timing logic so that cardiac pacers in existence before the index encounter are considered for the denominator exception.  | Logic              | Denominator Exceptions | <a href="#">ONC Project Tracking System (Jira): QRDA-964</a> |
| Updated Outpatient Encounter definitions to remove FaceToFaceEncounter language to signal broadening of encounter type.  | Logic              | Definitions            | Annual 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 the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update   |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update   |
| Removed value set Left Ventricular Systolic Dysfunction (2.16.840.1.113883.3.526.3.1091) based on applicability of a single code to represent clinical data.   | Value Set          | Terminology            | Annual Update  |
| Value set Atrioventricular Block (2.16.840.1.113883.3.526.3.367): Added 4 SNOMED CT codes (102451000119107, 204383001, 284941000119107, 733125004) based on review by technical experts, SMEs, and/or public feedback. Added 3 ICD-10-CM codes (I44.0, I44.30, I44.39) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead   |
| Value set Cardiac Pacer in Situ (2.16.840.1.113883.3.526.3.368): Added 1 ICD-10-CM code (Z95.810) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead   |
| Value set Heart Failure (2.16.840.1.113883.3.526.3.376): Added 1 SNOMED CT code (871617000) based on terminology update.   | Value Set          | Terminology            | Annual Update  |
| Replaced value set Left Ventricular Systolic Dysfunction (2.16.840.1.113883.3.526.2.859) with direct reference code SNOMED CT code (134401001) based on applicability of a single code to represent clinical data.   | Value Set          | Terminology            | Annual Update  |

**CMS145v10 - Coronary Artery Disease (CAD): Beta-Blocker Therapy—Prior Myocardial Infarction (MI) or Left Ventricular Systolic Dysfunction (LVEF <40%)**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b>                                      |
|--|--------------------|------------------------|--|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update  |
| Updated Measure Steward.   | Header             | Measure Steward        | Measure Lead   |
| Updated Measure Developer.   | Header             | Measure Developer      | Measure Lead   |
| Updated copyright.   | Header             | Copyright              | Annual Update  |
| Updated disclaimer.  | Header             | Disclaimer             | Annual Update  |
| Updated references.  | Header             | Reference              | Annual Update  |
| Updated definition pertaining to Moderate to Severe LVSD to better align with logic.   | Header             | Definition             | Annual Update  |
| Updated timing logic so that cardiac pacers in existence before the index encounter are considered for the denominator exception.  | Logic              | Denominator Exceptions | <a href="#">ONC Project Tracking System (Jira): QRDA-964</a> |
| Updated Outpatient Encounter definitions to remove FaceToFaceEncounter language to signal broadening of encounter type.  | Logic              | Definitions            | Annual Update  |
| Changed the timing of the check for moderate or severe LVSD in the Qualifying CAD Encounter and Moderate or Severe LVSD definition from ends to starts to account for end dates not often being documented.  | Logic              | Multiple Sections      | <a href="#">ONC Project Tracking System (Jira): CQM-3890</a> |
| Removed timing logic (minus one day) from the Qualifying CAD Encounter and Prior MI definition as it is no longer required due to another logic change.  | Logic              | Multiple Sections      | Annual 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 the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update   |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update   |
| Value set Atrioventricular Block (2.16.840.1.113883.3.526.3.367): Added 4 SNOMED CT codes (102451000119107, 204383001, 284941000119107, 733125004) based on review by technical experts, SMEs, and/or public feedback. Added 3 ICD-10-CM codes (I44.0, I44.30, I44.39) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead   |
| Value set Cardiac Pacer in Situ (2.16.840.1.113883.3.526.3.368): Added 1 ICD-10-CM code (Z95.810) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead   |
| Value set Cardiac Surgery (2.16.840.1.113883.3.526.3.371): Added 3 SNOMED CT codes (67166004, 871496000, 871497009) based on terminology update.   | Value Set          | Terminology            | Annual Update  |
| Replaced value set Left Ventricular Systolic Dysfunction (2.16.840.1.113883.3.526.3.1091) with direct reference code SNOMED CT code (134401001) based on applicability of a single code to represent clinical data.  | Value Set          | Terminology            | Annual Update  |
| Value set Beta Blocker Therapy (2.16.840.1.113883.3.526.3.1174): Deleted 12 RxNorm codes (152916, 199277, 199494, 199495, 199717, 199786, 199787, 856713, 896983, 896987, 998693, 998695) based on terminology update.   | Value Set          | Terminology            | Annual Update  |

**CMS145v10 - Coronary Artery Disease (CAD): Beta-Blocker Therapy—Prior Myocardial Infarction (MI) or Left Ventricular Systolic Dysfunction (LVEF <40%)**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Value set Coronary Artery Disease No MI (2.16.840.1.113883.3.526.3.369): Deleted 1 ICD-10-CM code (I24.1) based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |

**CMS146v10 - Appropriate Testing for Children with Pharyngitis**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Revised the guidance language to further clarify the measure intent.   | Header             | Guidance               | Measure Lead            |
| Added clarifying language to the guidance section of episode-based measures to define the episode.   | Header             | Guidance               | Measure Lead            |
| Revised language in the initial population to reduce ambiguity and improve clarity.  | Header             | Initial Population     | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions | Measure Lead            |
| Revised the denominator exclusions language to reduce ambiguity in the exclusions.   | Header             | Denominator Exclusions | Measure Lead            |
| Harmonized the types of encounters considered denominator eligible to align with the measure intent and measures of similar type.  | Logic              | Initial Population     | Measure Lead            |
| Revised the definition name Encounter With Pharyngitis or Tonsillitis to Encounter With Pharyngitis or Tonsillitis With Antibiotic to provide more clarity.  | Logic              | Definitions            | Measure Lead            |
| Revised the definitions to base timing of the measure criteria on the time of the encounter to align with the measure intent to use encounter information to determine valid time intervals for conditions/medications.  | Logic              | Definitions            | Measure Lead            |
| Added online assessments as appropriate encounters based on the increased use of telehealth services.  | Logic              | Multiple Sections      | Measure Lead            |
| Restructured the return clause to return only encounter related information to reduce confusion for implementers.  | Logic              | Multiple Sections      | Measure Lead            |
| Simplified the numerator definition logic to improve clarity.  | Logic              | Multiple Sections      | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered.                                   | Logic              | Multiple Sections      | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Value set Antibiotic Medications for Pharyngitis (2.16.840.1.113883.3.464.1003.196.12.1001): Added 2 RxNorm codes (2387078, 2387079) based on terminology update. Deleted 24 RxNorm codes based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Group A Streptococcus Test (2.16.840.1.113883.3.464.1003.198.12.1012): Added 1 LOINC code (96331-4) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Comorbid Conditions for Respiratory Conditions (2.16.840.1.113883.3.464.1003.102.12.1025): Added 9 SNOMED CT codes (22607003, 266355005, 307202004, 74610006, 76157009, 782761005, 789056000, 789057009, 860803004) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Added 14 ICD-10-CM codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |

**CMS146v10 - Appropriate Testing for Children with Pharyngitis**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080): Added 5 SNOMED CT codes (185317003, 314849005, 386472008, 386473003, 401267002) 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): Added 1269 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback or based on terminology update. Deleted 1159 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Added 5 ICD-10-CM codes (B60.00, B60.01, B60.02, B60.03, B60.09) based on review by technical experts, SMEs, and/or public feedback. Deleted 37 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Replaced value set Medical Disability Exam (2.16.840.1.113883.3.464.1003.101.1233) with value set Medical Disability Exam (2.16.840.1.113883.3.464.1003.101.12.1073) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Observation (2.16.840.1.113883.3.464.1003.101.12.1086) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |

**CMS147v11 - Preventive Care and Screening: Influenza Immunization**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward                   | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer                 | Measure Lead            |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer                        | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale                         | Measure Lead            |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Measure Lead            |
| Added the guidance to clarify the method to report immunization status.  | Header             | Guidance                          | Measure Lead            |
| Added direct reference code CPT code (99211) as a qualifying encounter based on public feedback and appropriateness to measure.  | Logic              | Initial Population                | Annual Update           |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population                | Measure Lead            |
| Deleted the Influenza Vaccine Previously Received definition from the Numerator definition to clarify the correct method to determine immunization status.   | Logic              | Numerator                         | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Removed value set Previous Receipt of Influenza Vaccine (2.16.840.1.113883.3.526.3.1185) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |
| Value set Influenza Vaccine (2.16.840.1.113883.3.526.3.1254): Added 2 CVX codes (205, 149) based on terminology update and based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology                       | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology                       | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |
| Added direct reference code CPT code (99211) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |



**CMS149v10 - Dementia: Cognitive Assessment**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward        | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer      | Measure Lead            |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer             | Annual Update           |
| Revised 'Qualifying Encounter' definition construction to reuse existing definition for clarification.   | Logic              | Definitions            | Annual Update           |
| Updated 'Dementia Encounter' definition name to account for timing constraint and align with CQL Style Guide.  | Logic              | Multiple Sections      | Annual Update           |
| Updated 'Face to Face Encounter During Measurement Period' definition name to align with guidance for virtual visits.  | Logic              | Multiple Sections      | Annual Update           |
| Updated 'Qualifying Encounter' definition name to account for timing constraint and align with CQL Style Guide.  | Logic              | Multiple Sections      | Annual 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 the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Value set Dementia & Mental Degenerations (2.16.840.1.113883.3.526.3.1005): Added 1 SNOMED CT code (838276009) based on terminology update. Deleted 1 SNOMED CT code (62239001) based on terminology update.   | Value Set          | Terminology            | Annual Update           |

**CMS153v10 - Chlamydia Screening for Women**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale                         | Measure Lead            |
| Updated the clinical recommendation statement to align with current clinical recommendations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Revised the denominator exclusions language to reduce ambiguity in the exclusions.   | Header             | Denominator Exclusions            | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population                | Measure Lead            |
| Revised the Diagnoses Identifying Sexual Activity definition to improve readability and simplify the logic.  | Logic              | Definitions                       | Measure Lead            |
| Revised value set names to eliminate hyphens and align with style guide recommendations.   | Logic              | Definitions                       | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered.   | Logic              | Multiple Sections                 | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Value set Lab Tests for Sexually Transmitted Infections (2.16.840.1.113883.3.464.1003.110.12.1051): Added 61 LOINC codes, Deleted 4 LOINC codes (21416-3, 53605-2, 660-1, 73752-8) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology                       | Measure Lead            |
| Value set Chlamydia Screening (2.16.840.1.113883.3.464.1003.110.12.1052): Added 1 LOINC code (91860-7) based on terminology update.  | Value Set          | Terminology                       | Annual Update           |
| Value set Lab Tests During Pregnancy (2.16.840.1.113883.3.464.1003.111.12.1007): Added 6 LOINC codes (41067-0, 41096-9, 48802-3, 83072-9, 83073-7, 83075-2) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 11 LOINC codes (33773-3, 34656-9, 34718-7, 45273-0, 45331-6, 45332-4, 64088-8, 64094-6, 42316-0, 46731-6, 48030-1) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology                       | Measure Lead            |
| Value set Diagnostic Studies During Pregnancy (2.16.840.1.113883.3.464.1003.111.12.1008): Added 7 LOINC codes (11776-2, 11869-5, 42138-8, 42453-1, 76514-9, 80414-6, 80416-1) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |
| Removed value set Procedures During Pregnancy (2.16.840.1.113883.3.464.1003.111.12.1009) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |

**CMS153v10 - Chlamydia Screening for Women**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Value set Pregnancy Test (2.16.840.1.113883.3.464.1003.111.12.1011): Added 2 LOINC codes (80385-8, 93769-8) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Removed value set Delivery Live Births (2.16.840.1.113883.3.464.1003.111.12.1015) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Removed value set Gonococcal Infections and Venereal Diseases (2.16.840.1.113883.3.464.1003.112.12.1001) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Complications of Pregnancy, Childbirth and the Puerperium (2.16.840.1.113883.3.464.1003.111.12.1012): Added 10 ICD-10-CM codes (O30.131, O30.132, O30.133, O30.139, O34.218, O34.22, O86.0, O99.891, O99.892, O99.893) based on review by technical experts, SMEs, and/or public feedback. Deleted 16 ICD-10-CM codes based on terminology update. Added 1627 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 52 SNOMED CT codes based on terminology update. | Value Set          | Terminology            | Measure Lead            |
| Value set Contraceptive Medications (2.16.840.1.113883.3.464.1003.196.12.1080): Added 2 RxNorm codes (2396242, 2396253). Deleted 3 RxNorm codes (105510, 198043, 749856) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Removed value set Genital Herpes (2.16.840.1.113883.3.464.1003.110.12.1049) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Removed value set Other Female Reproductive Conditions (2.16.840.1.113883.3.464.1003.111.12.1006) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Removed value set Chlamydia (2.16.840.1.113883.3.464.1003.112.12.1003) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Removed value set Inflammatory Diseases of Female Reproductive Organs (2.16.840.1.113883.3.464.1003.112.12.1004) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set X-Ray Study (all inclusive) (2.16.840.1.113883.3.464.1003.198.12.1034): Added 186 LOINC codes based on terminology update. Deleted 2125 LOINC codes based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set HIV (2.16.840.1.113883.3.464.1003.120.12.1003): Added 9 SNOMED CT codes (10755671000119100, 15928141000119107, 72631000119101, 771119002, 771126002, 771127006, 838377003, 840442003, 840498003) based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Added value set Diagnoses used to Indicate Sexual Activity (2.16.840.1.113883.3.464.1003.111.12.1018) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Procedures used to Indicate Sexual Activity (2.16.840.1.113883.3.464.1003.111.12.1017) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Removed value set Syphilis (2.16.840.1.113883.3.464.1003.112.12.1002) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |

**CMS153v10 - Chlamydia Screening for Women**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Removed value set Carrier of Predominantly Sexually Transmitted Infection (2.16.840.1.113883.3.464.1003.112.11.1023) based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |

**CMS154v10 - Appropriate Treatment for Children with Upper Respiratory Infection (URI)**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale              | Measure Lead            |
| Updated references.  | Header             | Reference              | Annual Update           |
| Updated the guidance to clarify the measure intent and support implementation.   | Header             | Guidance               | Measure Lead            |
| Added clarifying language to guidance section of episode-based measures to define the episode.   | Header             | Guidance               | Measure Lead            |
| Revised language in the initial population to reduce ambiguity and improve clarity.  | Header             | Initial Population     | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions | Measure Lead            |
| Revised the denominator exclusions language to reduce ambiguity in the exclusions.   | Header             | Denominator Exclusions | Measure Lead            |
| Harmonized the types of encounters considered denominator eligible to align with the measure intent and measures of similar type.  | Logic              | Initial Population     | Measure Lead            |
| Restructured the return on the Encounter with Competing Diagnosis for Upper Respiratory Infection definition to reduce confusion for implementers.   | Logic              | Definitions            | Measure Lead            |
| Revised the definitions to base timing of measure criteria on the time of the encounter to align with the measure intent to use encounter information to determine valid time intervals for conditions/medications.  | Logic              | Definitions            | Measure Lead            |
| Added online assessments as appropriate encounters based on the increased use of telehealth services.  | Logic              | Multiple Sections      | Measure Lead            |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered.   | Logic              | Multiple Sections      | Standards Update        |
| Value set Antibiotic Medications for Pharyngitis (2.16.840.1.113883.3.464.1003.196.12.1001): Added 2 RxNorm codes (2387078, 2387079) based on terminology update. Deleted 24 RxNorm codes 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): Added 1269 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback or based on terminology update. Deleted 1159 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Added 5 ICD-10-CM codes (B60.00, B60.01, B60.02, B60.03, B60.09) based on review by technical experts, SMEs, and/or public feedback. Deleted 37 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |

**CMS154v10 - Appropriate Treatment for Children with Upper Respiratory Infection (URI)**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080): Added 5 SNOMED CT codes (185317003, 314849005, 386472008, 386473003, 401267002) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Value set Comorbid Conditions for Respiratory Conditions (2.16.840.1.113883.3.464.1003.102.12.1025): Added 9 SNOMED CT codes (22607003, 266355005, 307202004, 74610006, 76157009, 782761005, 789056000, 789057009, 860803004) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Added 14 ICD-10-CM codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Added value set Medical Disability Exam (2.16.840.1.113883.3.464.1003.101.12.1073) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Home Healthcare Services (2.16.840.1.113883.3.464.1003.101.12.1016) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Preventive Care Services-Individual Counseling (2.16.840.1.113883.3.464.1003.101.12.1026) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Preventive Care Services - Group Counseling (2.16.840.1.113883.3.464.1003.101.12.1027) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Observation (2.16.840.1.113883.3.464.1003.101.12.1086) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Online Assessments (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added direct reference code CPT code (99217) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Outpatient Consultation (2.16.840.1.113883.3.464.1003.101.12.1008) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Preventive Care Services - Other (2.16.840.1.113883.3.464.1003.101.12.1030) based on based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |

**CMS155v10 - Weight Assessment and Counseling for Nutrition and Physical Activity for Children and Adolescents**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the measure title to align with the parent HEDIS measure title.  | Header             | eCQM Title                        | Measure Lead            |
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated the clinical recommendation statement to improve grammatical notations.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions            | Measure Lead            |
| Added telephone visits as appropriate encounter based on the increased use of telehealth services.   | Logic              | Multiple Sections                 | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections                 | Measure Lead            |
| Value set Pregnancy (2.16.840.1.113883.3.526.3.378): Added 77 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback. Deleted 19 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback. Deleted 24 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on change in measure requirements/measure specification.   | Value Set          | Terminology                       | Measure Lead            |

**CMS156v10 - Use of High-Risk Medications in the Elderly**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Standards Update        |
| Revised the description to add a new rate (rate 2).  | Header             | Description            | Measure Lead            |
| Revised the measure description to align with the measure intent and guidance.   | Header             | Description            | Measure Lead            |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale              | Measure Lead            |
| Updated references.  | Header             | Reference              | Standards Update        |
| Revised the definition to clarify timing related to the Index Prescription Start Date.   | Header             | Definition             | Measure Lead            |
| Updated the guidance to clarify the measure intent and support implementation.   | Header             | Guidance               | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions | Measure Lead            |
| Updated the Denominator Exclusions to add an exclusion for palliative care.  | Header             | Denominator Exclusions | Measure Lead            |
| Revised the numerator to add a new rate (rate 2).  | Header             | Numerator              | Measure Lead            |
| Revised the numerator to add a new rate (rate 2).  | Header             | Numerator Exclusions   | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population     | Measure Lead            |
| Updated Denominator Exclusions definition and added PalliativeCare.Palliative Care in the Measurement Period definition to add an exclusion for palliative care.   | Logic              | Denominator Exclusions | Measure Lead            |
| Revised the numerator logic to add a new rate (rate 2).  | Logic              | Numerator              | Measure Lead            |
| Added exclusion criteria for numerator 2 to align with the American Geriatric Society Beers Criteria for Potentially Inappropriate Medication Use in Older Adults.   | Logic              | Numerator Exclusions   | Measure Lead            |
| Removed the days supply requirement for nonbenzodiazepine hypnotics by removing the Cumulative Medication Duration requirement for Hypnotics During Measurement Period in the Two High Risk Medications with Prolonged Duration definition and deleting the Hypnotics During Measurement Period definition to align with the American Geriatric Society Beers Criteria for Potentially Inappropriate Medication Use in Older Adults.   | Logic              | Definitions            | Measure Lead            |
| Updated Denominator Exclusions definition and added PalliativeCare.Palliative Care in the Measurement Period definition to add an exclusion for palliative care.   | 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              | Multiple Sections      | Standards Update        |
| Removed and added medications to the Same High Risk Medications Ordered on Different Days definition to align with the American Geriatric Society Beers Criteria for Potentially Inappropriate Medication Use in Older Adults.   | Logic              | Multiple Sections      | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |



**CMS156v10 - Use of High-Risk Medications in the Elderly**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Added PalliativeCareExclusion CQL library to version 1.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Value set Meprobamate (2.16.840.1.113883.3.464.1003.196.12.1284): Deleted 1 RxNorm code (197930) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Trimipramine (2.16.840.1.113883.3.464.1003.196.12.1285): Deleted 6 RxNorm codes (199820, 313497, 245372, 245373, 245374, 250033) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Diphenhydramine (2.16.840.1.113883.3.464.1003.196.12.1293): Deleted 37 RxNorm codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Dexchlorpheniramine (2.16.840.1.113883.3.464.1003.196.12.1300): Deleted 7 RxNorm codes (2184088, 1305775, 1357940, 1370680, 2168002, 2184127, 2184130) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Orphenadrine (2.16.840.1.113883.3.464.1003.196.12.1302): Deleted 6 RxNorm codes (994824, 994810, 994811, 994837, 994841, 994847) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Carbinoxamine (2.16.840.1.113883.3.464.1003.196.12.1306): Added 1 RxNorm code (359329) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 6 RxNorm codes (1010946, 1010980, 1012681, 1012956, 1012984, 1424307) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Value set Clemastine (2.16.840.1.113883.3.464.1003.196.12.1308): Deleted 3 RxNorm codes (857452, 857454, 857457) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Disopyramide (2.16.840.1.113883.3.464.1003.196.12.1311): Deleted 3 RxNorm codes (104285, 199730, 199824) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Methyl dopa (2.16.840.1.113883.3.464.1003.196.12.1331): Deleted 5 RxNorm codes (104357, 197955, 197959, 197961, 197962) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Trihexyphenidyl (2.16.840.1.113883.3.464.1003.196.12.1334): Deleted 1 RxNorm code (905292) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Clomipramine (2.16.840.1.113883.3.464.1003.196.12.1336): Deleted 5 RxNorm codes (857291, 857296, 857315, 857292, 857326) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Megestrol (2.16.840.1.113883.3.464.1003.196.12.1342): Deleted 1 RxNorm code (860231) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |

**CMS156v10 - Use of High-Risk Medications in the Elderly**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Value set Phenobarbital (2.16.840.1.113883.3.464.1003.196.12.1348): Added 5 RxNorm codes (1046787, 1046815, 1046997, 1048147, 702519) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 14 RxNorm codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Value set Dipyridamole (2.16.840.1.113883.3.464.1003.196.12.1349): Deleted 2 RxNorm codes (199314, 392451) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Nifedipine (2.16.840.1.113883.3.464.1003.196.12.1353): Deleted 5 RxNorm codes (199329, 314132, 199782, 391901, 391980) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Desiccated Thyroid (2.16.840.1.113883.3.464.1003.196.12.1354): Deleted 1 RxNorm code (242927) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Imipramine (2.16.840.1.113883.3.464.1003.196.12.1359): Deleted 1 RxNorm code (835586) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Indomethacin (2.16.840.1.113883.3.464.1003.196.12.1366): Deleted 2 RxNorm codes (251255, 392073) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Promethazine Hydrochloride (2.16.840.1.113883.3.464.1003.196.12.1367): Deleted 7 RxNorm codes (861578, 992900, 756160, 992471, 992898, 992904, 992908) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Glyburide (2.16.840.1.113883.3.464.1003.196.12.1368): Deleted 1 RxNorm code (252960) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Carisoprodol (2.16.840.1.113883.3.464.1003.196.12.1369): Deleted 1 RxNorm code (105974) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Methocarbamol (2.16.840.1.113883.3.464.1003.196.12.1370): Deleted 1 RxNorm code (197945) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Removed value set Diphenhydramine Hydrochloride (2.16.840.1.113883.3.464.1003.196.12.1371) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Value set Cyclobenzaprine Hydrochloride (2.16.840.1.113883.3.464.1003.196.12.1372): Deleted 1 RxNorm code (999731) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Dexbrompheniramine (2.16.840.1.113883.3.464.1003.196.12.1375): Added 1 RxNorm code (2391334) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 2 RxNorm codes (1251806, 1305588) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.              | Value Set          | Terminology            | Measure Lead            |

**CMS156v10 - Use of High-Risk Medications in the Elderly**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Butabarbital (2.16.840.1.113883.3.464.1003.196.12.1402): Deleted 4 RxNorm codes (1047805, 1251600, 1251610, 1251625) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Triprolidine (2.16.840.1.113883.3.464.1003.196.12.1408): Deleted 2 RxNorm codes (1099711, 996640) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Esterified Estrogens (2.16.840.1.113883.3.464.1003.196.12.1419): Added 2 RxNorm codes (197670, 238006) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 1 RxNorm code (1000353) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Chlorpheniramine (2.16.840.1.113883.3.464.1003.196.12.1352): Added 1 RxNorm code (2383312) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 100 RxNorm codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Conjugated Estrogens (2.16.840.1.113883.3.464.1003.196.12.1357): Added 4 RxNorm codes (1000351, 1000352, 1000355, 1000356) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 4 RxNorm codes (1000353, 1000354, 197663, 432572) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.         | Value Set          | Terminology            | Measure Lead            |
| Value set Ketorolac Tromethamine (2.16.840.1.113883.3.464.1003.196.12.1364): Added 8 RxNorm codes (1665459, 1665461, 1665675, 1665679, 1665682, 860113, 860114, 860115) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 1 RxNorm code (861846) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Value set Estradiol (2.16.840.1.113883.3.464.1003.196.12.1365): Added 2 RxNorm codes (2371764, 2371767) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 5 RxNorm codes (249869, 1000161, 250213, 250838, 483169) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.                               | Value Set          | Terminology            | Measure Lead            |
| Value set Hydroxyzine (2.16.840.1.113883.3.464.1003.196.12.1374): Deleted 2 RxNorm codes (995428, 995274) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Brompheniramine (2.16.840.1.113883.3.464.1003.196.12.1427): Added 11 RxNorm codes (1357013, 1014331, 1053258, 1090463, 1098497, 1098498, 1111065, 1148155, 1192477, 1244523, 1245722) based on review by technical experts, SMEs, and/or public feedback. Deleted 34 RxNorm codes based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |

**CMS156v10 - Use of High-Risk Medications in the Elderly**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Meperidine (2.16.840.1.113883.3.464.1003.196.12.1351): Added 15 RxNorm codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 1 RxNorm code (861578) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.                | Value Set          | Terminology            | Measure Lead            |
| Value set Dicyclomine (2.16.840.1.113883.3.464.1003.196.12.1279): Deleted 4 RxNorm codes (991616, 199725, 755900, 991151) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Dimenhydrinate (2.16.840.1.113883.3.464.1003.196.12.1500): Deleted 5 RxNorm codes (1294446, 245357, 245358, 429720, 755901) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Hyoscyamine (2.16.840.1.113883.3.464.1003.196.12.1501): Deleted 5 RxNorm codes (1044608, 1046820, 1047805, 1048078, 1048411) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Meclizine (2.16.840.1.113883.3.464.1003.196.12.1506): Deleted 1 RxNorm code (995682) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Nortriptyline (2.16.840.1.113883.3.464.1003.196.12.1507): Deleted 4 RxNorm codes (199283, 199406, 865143, 865146) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| 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): Added 2 RxNorm codes (308170, 318179) based on change in measure requirements/measure specification. Deleted 3 RxNorm codes (860771, 889614, 1363513) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Value set Nonbenzodiazepine hypnotics (2.16.840.1.113883.3.464.1003.196.12.1480): Deleted 2 RxNorm codes (854885, 854886) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Removed value set Amobarbital (2.16.840.1.113883.3.464.1003.196.12.1512) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Butalbital (2.16.840.1.113883.3.464.1003.196.12.1514): Deleted 6 RxNorm codes (197425, 197427, 197428, 240093, 308322, 476152) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Doxylamine (2.16.840.1.113883.3.464.1003.196.12.1515): Deleted 29 RxNorm codes based on validity of code during timing of look back period or based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Removed value set Ergoloid Mesylates (2.16.840.1.113883.3.464.1003.196.12.1516) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Value set Propantheline (2.16.840.1.113883.3.464.1003.196.12.1519): Deleted 1 RxNorm code (312673) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |

**CMS156v10 - Use of High-Risk Medications in the Elderly**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Value set Scopolamine (2.16.840.1.113883.3.464.1003.196.12.1520): Deleted 9 RxNorm codes (1048078, 106507, 199442, 200059, 245350, 250536, 250537, 412723, 429720) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Value set Secobarbital (2.16.840.1.113883.3.464.1003.196.12.1521): Deleted 3 RxNorm codes (308167, 308171, 315201) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Alcohol Withdrawal (2.16.840.1.113883.3.464.1003.105.12.1209) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Benzodiazepine (2.16.840.1.113883.3.464.1003.196.12.1522) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Benzodiazepine Withdrawal (2.16.840.1.113883.3.464.1003.105.12.1208) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Bipolar Disorder (2.16.840.1.113883.3.464.1003.105.12.1157) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set General Anxiety Disorder (2.16.840.1.113883.3.464.1003.105.12.1210) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Other Bipolar Disorder (2.16.840.1.113883.3.464.1003.105.12.1204) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set REM Sleep Behavior Disorder (2.16.840.1.113883.3.464.1003.105.12.1207) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Schizophrenia (2.16.840.1.113883.3.464.1003.105.12.1205) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Seizure Disorder (2.16.840.1.113883.3.464.1003.105.12.1206) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Methscopolamine (2.16.840.1.113883.3.464.1003.196.12.1525) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Encounter (2.16.840.1.113883.3.464.1003.101.12.1090) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Intervention (2.16.840.1.113883.3.464.1003.198.12.1135) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added direct reference code CPT code (99211) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added direct reference code LOINC code (71007-9) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |

**CMS157v10 - Oncology: Medical and Radiation – Pain Intensity Quantified**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward                   | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer                 | Measure Lead            |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer                        | Annual Update           |
| Updated the rationale to align with current guideline.   | Header             | Rationale                         | Measure Lead            |
| Updated clinical recommendation statement to reflect updated guideline.  | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Measure Lead            |
| Updated guidance statement for 'patients receiving chemotherapy' to better align with logic and measure intent.  | Header             | Guidance                          | Annual Update           |
| Added clarifying language to guidance section of episode-based measures to define the episode.   | Header             | Guidance                          | Measure Lead            |
| Adding 'or telehealth' to the header guidance for clarification.   | Header             | Guidance                          | Measure Lead            |
| Adding 'or telehealth' to CQL definition names and aliases for clarification.  | Logic              | Multiple Sections                 | Measure Lead            |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Value set Chemotherapy Administration (2.16.840.1.113883.3.526.3.1027): Deleted 1 SNOMED CT code (24977001) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |
| Value set Cancer (2.16.840.1.113883.3.526.3.1010): Added 3 ICD-10-CM codes (D47.01, D47.02, D47.09), Deleted 5 ICD-10-CM codes (Q85.00, Q85.01, Q85.02, Q85.03, Q85.09), Added 7 SNOMED CT codes (397012002, 404171008, 414653009, 716655008, 788674000, 827162007, 840573001), Deleted 7 SNOMED CT codes (254854001, 233717003, 237865009, 403815003, 403816002, 403817006, 92824003) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |

**CMS159v10 - Depression Remission at Twelve Months**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b>                                      |
|--|--------------------|------------------------|--|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update  |
| Updated copyright.   | Header             | Copyright              | Annual Update  |
| Updated language about timing of PHQ-9 assessment in relation to encounter for clarity and to better align with intent and logic.  | Header             | Multiple Sections      | Measure Lead   |
| Updated Stratification age logic to interval for harmonization with other measures.  | Logic              | Stratification         | Annual Update  |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update   |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update   |
| Updated Denominator Exclusion logic to better align with measure intent and count the Measure Assessment Period appropriately.   | Logic              | Definition             | <a href="#">ONC Project Tracking System (Jira): CQM-3981</a> |
| Value set Contact or Office Visit (2.16.840.1.113762.1.4.1080.5): Added 8 CPT codes (90833, 90836, 90838, 90839, 90840, 96156, 96158, 96159). Deleted 1 CPT code (99444) based on review by technical experts, SMEs, and/or public feedback. Deleted 3 HCPCS Level II codes (G2061, G2062, G2063) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead   |
| Value set Major Depression Including Remission (2.16.840.113883.3.67.1.101.3.2444): Added 1 SNOMED CT code (16264621000119109) based on terminology update. Deleted 6 SNOMED CT codes (191601008, 191602001, 231499006, 274948002, 300706003, 321717001) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead   |

**CMS161v10 - Adult Major Depressive Disorder (MDD): Suicide Risk Assessment**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|--|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number               | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward                   | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer                 | Measure Lead            |
| Updated copyright.   | Header             | Copyright                         | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer                        | Annual Update           |
| Updated Rationale section in measure header to include evidence from current literature.   | Header             | Rationale                         | Measure Lead            |
| Updated formatting of Clinical Recommendations Statement in measure header for better readability and to clarify the organization of this section.   | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.  | Header             | Reference                         | Annual Update           |
| Added clarifying language to guidance section of episode-based measures to define the episode.   | Header             | Guidance                          | Measure Lead            |
| Updated Guidance section in measure header to standardize language about episode-based reporting.  | Header             | Guidance                          | Annual Update           |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections                 | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections                 | Standards Update        |
| Value set Major Depressive Disorder-Active (2.16.840.1.113883.3.526.3.1491): Added 2 SNOMED CT codes (10811121000119102, 191604000) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology                       | Measure Lead            |



**CMS165v10 - Controlling High Blood Pressure**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated the measure description to align with the measure intent and guidance.   | Header             | Description            | Measure Lead            |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated the rationale to align with current evidence.  | Header             | Rationale              | Measure Lead            |
| Updated references.  | Header             | Reference              | Annual Update           |
| Revised the guidance language to further clarify the measure intent.   | Header             | Guidance               | Measure Lead            |
| Updated the Denominator Exclusions to add an exclusion for palliative care.  | Header             | Denominator Exclusions | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to clarify the intent of the exclusion criteria.  | Header             | Denominator Exclusions | Measure Lead            |
| Replaced 'overlaps' or 'overlapping' in the denominator exclusions with plain language to clarify the measure intent.  | Header             | Denominator Exclusions | Measure Lead            |
| Revised the timing associated with the essential hypertension diagnosis within the narrative to align with the measure intent.   | Header             | Multiple Sections      | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.   | Logic              | Initial Population     | Measure Lead            |
| Removed comments from the 'Qualifying Diastolic Blood Pressure Reading' and 'Qualifying Systolic Blood Pressure Reading' definitions to streamline the logic.  | 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              | Multiple Sections      | Standards Update        |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Updated Denominator Exclusions definition and added PalliativeCare.Palliative Care in the Measurement Period definition to add an exclusion for palliative care.   | Logic              | Multiple Sections      | Measure Lead            |
| Revised the advanced illness and frailty denominator exclusion to align with the header and adhere to QDMv5.5 standards.   | Logic              | Multiple Sections      | Measure Lead            |
| Removed the Vascular Access for Dialysis value set from the Renal Procedures definition to streamline existing value sets and reduce redundancies.   | Logic              | Multiple Sections      | Measure Lead            |
| Revised the timing associated with the essential hypertension diagnosis in the Essential Hypertension Diagnosis definition to align with the measure intent.   | Logic              | Multiple Sections      | Measure Lead            |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Revised the timing of the ESRD encounter in the End Stage Renal Disease Encounter definition to align with the measure intent and to capture encounters on the last day of the measurement period.   | Logic              | Multiple Sections      | Measure Lead            |
| Update Adult Outpatient Encounters CQL library to 2.0.000.   | Logic              | Multiple Sections      | Measure Lead            |
| Updated Advanced Illness and Frailty Exclusions CQL Library to version 6.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Updated Hospice CQL Library to version 3.0.000.  | Logic              | Multiple Sections      | Measure Lead            |

**CMS165v10 - Controlling High Blood Pressure**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Added PalliativeCareExclusion CQL library version 1.0.000.  | Logic              | Multiple Sections      | Measure Lead            |
| Removed value set Vascular Access for Dialysis (2.16.840.1.113883.3.464.1003.109.12.1011) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Value set Pregnancy (2.16.840.1.113883.3.526.3.378): Added 77 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback. Deleted 19 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback. Deleted 24 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Dialysis Services (2.16.840.1.113883.3.464.1003.109.12.1013): Added 3 CPT codes (99512, 90997, 90999) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 5 CPT codes (1019320, 90940, 90957, 90958, 90959) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Added 1 HCPCS code (S9339) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Value set Essential Hypertension (2.16.840.1.113883.3.464.1003.104.12.1011): Added 2 SNOMED CT codes (1078301000112109, 461301000124109) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Kidney Transplant (2.16.840.1.113883.3.464.1003.109.12.1012): Added 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 35 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 4 CPT codes (50300, 50320, 50340, 50370) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Advanced Illness (2.16.840.1.113883.3.464.1003.110.12.1082): Added 34 ICD-10-CM codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations or terminology updates. Added 179 SNOMED CT codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations, and based on terminology updates.  | Value Set          | Terminology            | Measure Lead            |
| Value set Outpatient (2.16.840.1.113883.3.464.1003.101.12.1087): Added 11 SNOMED CT codes (185463005, 185464004, 185465003, 281036007, 30346009, 37894004, 3391000175108, 439740005, 77406008, 444971000124105, 84251009) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Device (2.16.840.1.113883.3.464.1003.118.12.1300): Added 124 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 22 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Encounter (2.16.840.1.113883.3.464.1003.101.12.1088): Deleted 1 SNOMED CT code (413467001) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Symptom (2.16.840.1.113883.3.464.1003.113.12.1075): Added 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 69 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Value set Frailty Diagnosis (2.16.840.1.113883.3.464.1003.113.12.1074): Added 14 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Deleted 13 SNOMED CT codes based on review by technical experts, SMEs, and/or public feedback. Added 166 ICD-10-CM codes based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |

**CMS165v10 - Controlling High Blood Pressure**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|---|--------------------|------------------------|-------------------------|
| Value set Dementia Medications (2.16.840.1.113883.3.464.1003.196.12.1510): Added 4 RxNorm codes (1599803, 1599805, 1805420, 1805425) based on change in measure requirements/measure specification. Deleted 3 RxNorm codes (1858970, 996572, 996624) based on change in measure requirements/measure specification.                                 | Value Set          | Terminology            | Measure Lead            |
| Value set Acute Inpatient (2.16.840.1.113883.3.464.1003.101.12.1083): Added 10 SNOMED CT codes (10378005, 18083007, 183452005, 19951005, 2252009, 73607007, 305339001, 50699000, 74857009, 78680009) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Encounter (2.16.840.1.113883.3.464.1003.101.12.1090) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Added value set Palliative Care Intervention (2.16.840.1.113883.3.464.1003.198.12.1135) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Added value set Online Assessment (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |
| Replaced value set ED (2.16.840.1.113883.3.464.1003.101.12.1085) with value set Emergency Department Visit (2.16.840.1.113883.3.464.1003.101.12.1010) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | Measure Lead            |
| Added direct reference code LOINC code (71007-9) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead            |

**CMS177v10 - Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated Measure Steward.   | Header             | Measure Steward        | Measure Lead            |
| Updated Measure Developer.   | Header             | Measure Developer      | Measure Lead            |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated disclaimer.  | Header             | Disclaimer             | Measure Lead            |
| Updated Rationale section in measure header to include evidence from current literature.   | Header             | Rationale              | Measure Lead            |
| Updated references.  | Header             | Reference              | Annual Update           |
| Added clarifying language to guidance section of episode-based measures to define the episode.   | Header             | Guidance               | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update        |
| Value set Psych Visit - Family Psychotherapy (2.16.840.1.113883.3.526.3.1018): Added 2 SNOMED CT codes (302247005, 361229007) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Group Psychotherapy (2.16.840.1.113883.3.526.3.1187): Added 3 SNOMED CT codes (1555005, 27591006, 28868002) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |
| Value set Major Depressive Disorder-Active (2.16.840.1.113883.3.526.3.1491): Added 2 SNOMED CT codes (10811121000119102, 191604000) based on review by technical experts, SMEs, and/or public feedback.  | Value Set          | Terminology            | Measure Lead            |

**CMS249v4 - Appropriate Use of DXA Scans in Women Under 65 Years Who Do Not Meet the Risk Factor Profile for Osteoporotic Fracture**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b>            | <b>Source of Change</b> |
|---|--------------------|-----------------------------------|-------------------------|
| Updated the eCQM version number.  | Header             | eCQM Version Number               | Annual Update           |
| Updated copyright.  | Header             | Copyright                         | Annual Update           |
| Updated the clinical recommendation statement to align with current clinical recommendations.   | Header             | Clinical Recommendation Statement | Measure Lead            |
| Updated references.   | Header             | Reference                         | Annual Update           |
| Removed the dosage requirement for glucocorticoids in the denominator exclusions to avoid excluding appropriate patients from the population.   | Header             | Denominator Exclusions            | Measure Lead            |
| Revised the denominator exclusions statement to exclude patients with an osteoporotic fracture at any point in their medical history.   | Header             | Denominator Exclusions            | Measure Lead            |
| Added online assessments and telephone visits as appropriate encounters based on the increased use of telehealth services.  | Logic              | Initial Population                | Measure Lead            |
| Removed the function DosesPerDay as it is no longer needed because of the removal of the dosage requirements for glucocorticoids.   | Logic              | Denominator Exclusions            | Measure Lead            |
| Revised several definitions to remove the dosage requirements for glucocorticoids to avoid excluding appropriate patients from the population.  | Logic              | Denominator Exclusions            | Measure Lead            |
| Revised the Osteoporotic Fracture from Patient History definition to exclude patients with an osteoporotic fracture at any point in their medical history.  | Logic              | Denominator Exclusions            | Measure Lead            |
| Added Count of Distinct Age Dependent Combination Risk Factors and updated several definitions to accurately capture risk factors and reduce implementation burden.   | Logic              | Definitions                       | Measure Lead            |
| Revised several definitions to remove the dosage requirements for glucocorticoids to avoid excluding appropriate patients from the population.  | Logic              | Definitions                       | Measure Lead            |
| Added the RiskFactorInPatientHistory function to accurately capture risk factors and reduce implementation burden.  | Logic              | Functions                         | Measure Lead            |
| Removed the function DosesPerDay as it is no longer needed because of the removal of the dosage requirements for glucocorticoids.   | Logic              | Functions                         | 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              | Multiple Sections                 | Standards Update        |
| Revised the Osteoporotic Fracture from Patient History definition to exclude patients with an osteoporotic fracture at any point in their medical history.  | Logic              | Multiple Sections                 | Measure Lead            |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions. | Logic              | Multiple Sections                 | Standards Update        |
| Condensed the measure's CQL library name to improve readability.  | Logic              | Logic                             | Measure Lead            |
| Added value set Online Assessments (2.16.840.1.113883.3.464.1003.101.12.1089) based on change in measure requirements/measure specification.  | Value Set          | Terminology                       | Measure Lead            |
| Added value set Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology                       | Measure Lead            |

**CMS249v4 - Appropriate Use of DXA Scans in Women Under 65 Years Who Do Not Meet the Risk Factor Profile for Osteoporotic Fracture**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Value set Ankylosing Spondylitis (2.16.840.1.113883.3.464.1003.113.12.1045): Added 1 SNOMED CT code (786077003) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set DXA (Dual energy Xray Absorptiometry) Scan (2.16.840.1.113883.3.464.1003.113.12.1051): Deleted 2 LOINC codes (38269-7, 62910-5) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.   | Value Set          | Terminology            | Measure Lead            |
| Value set Glucocorticoids (oral only) (2.16.840.1.113883.3.464.1003.196.12.1266): Added 2 RxNorm codes (2121587, 2261802) based on terminology update. Deleted 3 RxNorm codes (199343, 199771, 199967) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | Measure Lead            |
| Value set Osteoporotic Fractures (2.16.840.1.113883.3.464.1003.113.12.1050): Added 12 ICD-10-CM codes based on terminology update.   | Value Set          | Terminology            | Annual Update           |
| Value set Rheumatoid Arthritis (2.16.840.1.113883.3.464.1003.113.12.1005): Added 27 SNOMED CT codes based on terminology update. Deleted 6 SNOMED CT codes (201764007, 239941000, 239943002, 287006005, 400054000, 402433007) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Added 4 ICD-10-CM codes (M05.7A, M05.8A, M06.0A, M06.8A) based on terminology update.   | Value Set          | Terminology            | Measure Lead            |
| Value set Type 1 Diabetes (2.16.840.1.113883.3.464.1003.103.12.1020): Added 7 SNOMED CT codes (138901000119108, 421075007, 421365002, 421437000, 421893009, 609566000, 71721000119101) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 5 SNOMED CT codes (421920002, 4783006, 75682002, 76751001, 769219006) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead            |
| Removed direct reference codes SNOMED CT codes (307469008, 396140003, 396131002, 225756002, 396143001, 307468000, 396139000, 396126004, 225754004, 396127008, 307470009, 396125000, 225752000, 307439001, 229797004, 396109005, 396108002, 396107007, 229798009, 229799001, 396111001) based on change in measure requirements/measure specification.  | Value Set          | Terminology            | Measure Lead            |
| Value set Chronic Liver Disease (2.16.840.1.113883.3.464.1003.199.12.1035): Added 3 ICD-10-CM codes (K74.00, K74.01, K74.02) based on terminology update.  | Value Set          | Terminology            | Annual Update           |
| Value set Current Tobacco Smoker (2.16.840.1.113883.3.600.2390): Added 2 SNOMED CT codes (450811000124104, 450821000124107) based on terminology updates.  | Value Set          | Terminology            | Annual Update           |
| Value set Malabsorption Syndromes (2.16.840.1.113883.3.464.1003.199.12.1050): Added 2 ICD-10-CM codes (K90.41, K90.49) based on terminology update.  | Value Set          | Terminology            | Annual Update           |

**CMS347v5 - Statin Therapy for the Prevention and Treatment of Cardiovascular Disease**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b>  |
|--|--------------------|------------------------|--------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update            |
| Updated Measure Developer.   | Header             | Measure Developer      | Measure Lead             |
| Updated copyright.   | Header             | Copyright              | Annual Update            |
| Updated disclaimer.  | Header             | Disclaimer             | Annual Update            |
| Updated Rationale section of header to reflect most current literature.  | Header             | Rationale              | Measure Lead             |
| Updated references.  | Header             | Reference              | Annual Update            |
| Added clinically appropriate brand name statin drugs to the Statin Medication Therapy List in the header Definitions section to complete the list of appropriate statin therapy drugs to meet the measure numerator. Revised category of drugs to reflect that combination drugs must be of a fixed dose.  | Header             | Definition             | Expert Work Group Review |
| Removed definition for statin intolerance and added a definition for Statin-Associated Muscle Symptoms to align with the updated 2018 ACC/AHA Cholesterol Guidelines.  | Header             | Definition             | Expert Work Group Review |
| Updated Definitions header section for LDL-C result to allow either fasting or nonfasting and either direct or calculated LDL-C results to calculate the measure.  | Header             | Definition             | Expert Work Group Review |
| Updated Guidance language to reflect that the denominator equals one of three new Initial Populations. Updated Guidance language to remove the denominator exception for Population 3 for patients who have an LDL-C < 70 to align with the updated 2018 ACC/AHA Cholesterol Guidelines. Added language to clarify that statins may not be appropriate for all patients, as specified in the denominator exceptions. | Header             | Guidance               | Measure Lead             |
| Updated numerator guidance to provide clarity for implementers about when an exception would be appropriate.   | Header             | Guidance               | Measure Lead             |
| Updated Denominator header statement to set Denominator equal to Initial Population to reduce the number of patients counted in Population 1 due to the removal of the age restriction.  | Header             | Denominator            | Expert Work Group Review |
| Added language to Denominator Exclusions header section to clarify that exclusions must be active during the measurement period.   | Header             | Denominator Exclusions | Expert Work Group Review |
| Revised language in Numerator header statement about timing to align with the rest of the measure.   | Header             | Numerator              | Expert Work Group Review |
| Removed 'statin intolerance' and replaced with 'statin-associated muscle symptoms' in the first Denominator Exception and removed exception for patients with diabetes who have an LDL-C result < 70 to align with the updated 2018 ACC/AHA Cholesterol Guidelines.  | Header             | Denominator Exceptions | Expert Work Group Review |
| Updated measure Description, Rationale, and Clinical Recommendations header statements to align with updated 2018 ACC/AHA Cholesterol Guidelines.  | Header             | Multiple Sections      | Expert Work Group Review |
| Updated age thresholds in Populations 1 and 2, removed 'pure hypercholesterolemia' from Population 2, and removed LDL-C requirement from Population 3 in Rate Aggregation and Initial Population header sections to align with updated 2018 ACC/AHA Cholesterol Guidelines.  | Header             | Multiple Sections      | Expert Work Group Review |
| Added the phrase 'including an ASCVD procedure' to Population 1 throughout the measure header to align the header with the existing measure logic that patients who have an ASCVD procedure are included in Population 1.  | Header             | Multiple Sections      | Measure Lead             |
| Removed the phrase 'fasting or direct' throughout the measure to clarify that any LDL-C results can be used to calculate the measure.  | Header             | Multiple Sections      | Expert Work Group Review |
| Updated Initial Population to revise age thresholds in Populations 1 and 2, removed 'pure hypercholesterolemia' from Initial Population 2 logic, and removed LDL-C requirement from Initial Population 3 Logic to align with updated 2018 ACC/AHA Cholesterol Guidelines.  | Logic              | Initial Population     | Expert Work Group Review |

**CMS347v5 - Statin Therapy for the Prevention and Treatment of Cardiovascular Disease**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b>                                      |
|---|--------------------|------------------------|--|
| Updated Denominator logic statements to set Denominator equal to Initial Population to reduce the number of patients counted in Population 1 due to the removal of the age restriction.   | Logic              | Denominator            | Expert Work Group Review                                     |
| Removed exception for allergy or intolerance to statin and added exception for statin-associated muscle symptoms to align with the updated 2018 ACC/AHA Cholesterol Guidelines.   | Logic              | Denominator Exceptions | Expert Work Group Review                                     |
| Removed exception for patients with diabetes who have an LDL-C < 70 from Denominator Exceptions logic to align with updated 2018 ACC/AHA Cholesterol Guidelines.  | Logic              | Denominator Exceptions | Expert Work Group Review                                     |
| Updated definition for Denominator Exceptions, removed definition for Allergy or Intolerance to Statin, and added definitions for Has Allergy to Statin and Has Statin Associated Muscle Symptoms to align with the updated 2018 ACC/AHA Cholesterol Guidelines.  | Logic              | Definitions            | Expert Work Group Review                                     |
| Updated definitions for Denominator 1, 2, and 3 to set them equal to Initial Population to reduce the number of patients counted in Population 1 due to the removal of the age restriction. Removed definition for Denominator Exceptions 3 because Denominator Exceptions 3 equals Denominator Exceptions for Populations 1 and 2 when the last exception for LDL-C result is removed. Removed definition for Highest LDL Result because the LDL-C requirement was removed from Population 3. Removed Initial Population definition because the measure was revised to use three Initial Populations. Added definitions for Initial Population 1, 2, and 3 to allow for greater specificity after the age threshold was removed from Population 1. Removed definition for Most Recent LDL Result Within 3 Years because the LDL-C requirement was removed from Population 3. Added definition for Patients Age 20 or Older to align with new age range for Population 2. Added definition for Patients Age 20 Years and Older with LDL Cholesterol Result >= 190 to align with new age range for Population 2 and to clarify that patients can also have hypercholesterolemia and cannot have ASCVD. Added definition for Patients Age 40 50 75 with Diabetes to revise the logic because the LDL-C result requirement was removed from Population 3 and to clarify that patients in this population cannot have hypercholesterolemia or LDL-C > 190 or ASCVD. | Logic              | Definitions            | Expert Work Group Review                                     |
| 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 the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.   | Logic              | Multiple Sections      | Standards Update   |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered.  | Logic              | Multiple Sections      | Standards Update   |
| Value set Liver Disease (2.16.840.1.113762.1.4.1047.42): Added 3 ICD-10-CM codes (K74.00, K74.01, K74.02) based on terminology update. Deleted 1 ICD-10-CM code (K74.0) based on terminology update.  | Value Set          | Terminology            | Annual Update  |
| Value set (2.16.840.1.113762.1.4.1047.100): Renamed to Familial Hypercholesterolemia. Deleted 2 SNOMED CT codes (267432004, 414416008) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 1 ICD-10-CM code (E78.00) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations.  | Value Set          | Terminology            | <a href="#">ONC Project Tracking System (Jira): CQM-3483</a> |



**CMS347v5 - Statin Therapy for the Prevention and Treatment of Cardiovascular Disease**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b>                                      |
|--|--------------------|------------------------|--|
| Value set Breastfeeding (2.16.840.1.113762.1.4.1047.73): Added 1 SNOMED CT code (866041003) based on terminology update. Deleted 1 SNOMED CT code (169750002) based on terminology update.   | Value Set          | Terminology            | Annual Update  |
| Value set Pregnancy or Other Related Diagnoses (2.16.840.1.113883.3.600.1.1623): Added 5 ICD-10-CM codes (O99.891, O99.892, O99.893, O34.218, O34.22) based on terminology update. Deleted 2 ICD-10-CM codes (A34, O99.89) based on terminology update. Added 1 SNOMED CT code (169488004) based on terminology update. Deleted 1 SNOMED CT code (102873005) 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): Added 3 SNOMED CT codes (792843009, 792844003, 792845002) based on terminology update. Deleted 4 SNOMED CT codes (145891000119104, 149841000119109, 5111000119102, 5561000119107) based on terminology update.  | Value Set          | Terminology            | Annual Update  |
| Value set Ischemic Heart Disease or Other Related Diagnoses (2.16.840.1.113762.1.4.1047.46): Added 1 SNOMED CT code (413444003) based on review by technical experts, SMEs, and/or public feedback. Deleted 3 SNOMED CT codes (210078001, 473393007, 52674009) based on review by technical experts, SMEs, and/or public feedback.   | Value Set          | Terminology            | <a href="#">ONC Project Tracking System (Jira): CQM-3482</a> |
| Value set Diabetes (2.16.840.1.113883.3.464.1003.103.12.1001): Added 37 SNOMED CT codes based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. Deleted 12 SNOMED CT codes (421920002, 4783006, 75682002, 76751001, 769219006, 190388001, 190390000, 395204000, 421750000, 422014003, 703138006, 781000119106) based on updated evidence in published guidelines, published literature, or from published specialty medical society or group recommendations. | Value Set          | Terminology            | Measure Lead   |
| Value set High Intensity Statin Therapy (2.16.840.1.113883.3.526.3.1572): Deleted 1 RxNorm code (757705) based on terminology update.  | Value Set          | Terminology            | Annual Update  |
| Value set LDL Cholesterol (2.16.840.1.113883.3.526.3.1573): Added 2 LOINC codes (96259-7, 96597-0) based on terminology update.  | Value Set          | Terminology            | Annual Update  |
| Value set Low Intensity Statin Therapy (2.16.840.1.113883.3.526.3.1574): Deleted 1 RxNorm code (757702) based on terminology update.   | Value Set          | Terminology            | Annual Update  |
| Value set Moderate Intensity Statin Therapy (2.16.840.1.113883.3.526.3.1575): Deleted 2 RxNorm codes (757703, 757704) based on terminology update.   | Value Set          | Terminology            | Annual Update  |
| Added value set Statin Associated Muscle Symptoms (2.16.840.1.113762.1.4.1108.85) based on change in measure requirements/measure specification.   | Value Set          | Terminology            | Measure Lead   |

**CMS349v4 - HIV Screening**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b> |
|--|--------------------|------------------------|-------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update           |
| Updated copyright.   | Header             | Copyright              | Annual Update           |
| Updated rationale for consistency with updated evidence about use of antiretroviral agents.  | Header             | Rationale              | Annual Update           |
| Updated references.  | Header             | Reference              | Annual Update           |
| Updated Initial Population age logic to a closed interval for harmonization with other measures.   | Logic              | Initial Population     | Annual Update           |
| Updated numerator logic using 'has' instead of 'exists' for harmonization with other measures.   | Logic              | Numerator              | Annual Update           |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update        |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered.   | Logic              | Multiple Sections      | Standards Update        |
| Value set Indicators of Human Immunodeficiency Virus (HIV) (2.16.840.1.113762.1.4.1056.54): Deleted 1 ICD-9-CM code (176.9) based on review by technical experts, SMEs, and/or public feedback. Added 11 SNOMED CT codes (838338001, 838377003, 840442003, 840498003, 860871003, 860872005, 860874006, 866044006, 870271009, 870328002, 870344006) based on terminology update. Renamed extensional value sets to match the grouping name, Indicators of Human Immunodeficiency Virus (HIV), based on review by technical experts, SMEs, and/or public feedback. | Value Set          | Terminology            | Measure Lead            |

**CMS645v5 - Bone Density Evaluation for Patients with Prostate Cancer and Receiving Androgen Deprivation Therapy**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b>  |
|--|--------------------|------------------------|--------------------------|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Standards Update         |
| Updated copyright.   | Header             | Copyright              | Annual Update            |
| Updated disclaimer.  | Header             | Disclaimer             | Standards Update         |
| Added Androgen Deprivation Therapy for Urology Care Medication Order Start Dates definition, revised Androgen Deprivation Therapy for Urology Care Medication Active Start Dates definition and revised Androgen Deprivation Therapy Start Date definition, all referenced in the initial population and numerator, to account for addition of ordered medications to align with measure intent.   | Logic              | Initial Population     | Measure Lead             |
| Changed timing in the Androgen Deprivation Therapy Start Date definition from 'overlaps' the measurement period to 'before end of' the measurement period to meet measure intent.  | Logic              | Initial Population     | Expert Work Group Review |
| Updated logic from 'on or before end of' prostate cancer prevalence period to 'during' prostate cancer prevalence period in the Androgen Deprivation Therapy Start Date definition as ADT must occur during the prostate cancer prevalence period, not before.   | Logic              | Initial Population     | Measure Lead             |
| Added Androgen Deprivation Therapy for Urology Care Medication Order Start Dates definition and revised Androgen Deprivation Therapy Start Date definition, referenced in the initial population and numerator, to account for ordered medications to align with measure intent.   | Logic              | Numerator              | Measure Lead             |
| Added Androgen Deprivation Therapy for Urology Care Medication Order Start Dates definition and revised Androgen Deprivation Therapy Start Date definition, referenced in the initial population and numerator, to account for ordered medications to align with measure intent.   | Logic              | Definitions            | Measure Lead             |
| Added Androgen Deprivation Therapy for Urology Care Medication Order Start Dates definition and revised the Androgen Deprivation Therapy Start Date definition to include orders for medication.   | Logic              | Definitions            | Logic Review             |
| Updated logic from 'starts on or before end' of prostate cancer prevalence period to 'during' prostate cancer prevalence period in the Androgen Deprivation Therapy Start Date definition as ADT must occur during the prostate cancer prevalence period, not before.  | 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              | Multiple Sections      | Standards Update         |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update         |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | 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 (314008) based on terminology update. Deleted 1 RxNorm code (571914) based on terminology update.   | Value Set          | Terminology            | Annual Update            |

**CMS646v2 - Intravesical Bacillus-Calmette-Guerin for nonmuscle invasive bladder cancer**

| <b>Technical Release Notes</b>  | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b>  |
|---|--------------------|------------------------|--------------------------|
| Updated the eCQM version number.  | Header             | eCQM Version Number    | Annual Update            |
| Updated copyright.  | Header             | Copyright              | Annual Update            |
| Updated the Rationale to reflect current citations and statistics.  | Header             | Rationale              | Measure Lead             |
| Updated references.   | Header             | Reference              | Annual Update            |
| Corrected spelling of 'immunosupppressed' to 'immunosuppressed' for accuracy.   | Header             | Denominator Exclusions | Measure Lead             |
| Replaced 'overlaps' with 'during' the measurement period for clarity.   | Header             | Numerator              | Annual Update            |
| Replaced 'None' with 'Not Applicable' to conform with Blueprint recommended language.   | Header             | Numerator Exclusions   | Annual Update            |
| Updated punctuation for 'nonmuscle' to 'non-muscle' for consistency.  | Header             | Multiple Sections      | Measure Lead             |
| Changed timing in the Bladder Cancer Diagnosis definition from 'starts same day or before' to 'starts before' end of measurement period to reflect measure intent.  | Logic              | Initial Population     | Measure Lead             |
| Changed timing in the Most Recent Bladder Cancer Staging Procedure definition to 'overlaps day of' bladder cancer prevalence period to correctly meet measure intent.   | Logic              | Initial Population     | 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              | Multiple Sections      | Standards Update         |
| Changed timing in the Acute Tuberculosis Diagnosis definition to allow for a resolved diagnosis to no longer be excluded from the measure.  | Logic              | Multiple Sections      | Expert Work Group Review |
| Updated the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions. | Logic              | Multiple Sections      | Standards Update         |
| Changed spelling in 'Has Most Recent Bladder Cancer Tumor Staging isTa HG, Tis, T1' to 'Has Most Recent Bladder Cancer Tumor Staging is Ta HG, Tis, T1' for accuracy.   | Logic              | Definition             | Measure Lead             |
| Changed 'BCG Not Available' definition to 'BCG Not Available Within 6 Months After Bladder Cancer Staging' for clarity.   | Logic              | Definition             | Measure Lead             |
| Value set Immunosuppressive Drugs for Urology Care (2.16.840.1.113762.1.4.1151.32): Deleted 3 RxNorm codes (1654082, 199343, 199967) based on terminology update.   | Value Set          | Terminology            | Annual Update            |
| Renamed value set Immunocompromised Conditions (2.16.840.1.113883.3.666.5.1940) based on recommended value set naming conventions.  | Value Set          | Terminology            | Annual Update            |
| Value set Immunocompromised Conditions (2.16.840.1.113883.3.666.5.1940): Deleted 1 SNOMED CT code (404132005) based on terminology update. Added 3 ICD-10-CM codes (D84.81, D84.821, D84.822) based on new or changed coding guidelines.  | Value Set          | Terminology            | Annual Update            |
| Value set Chemotherapy for Advanced Cancer (2.16.840.1.113883.3.7643.3.1048): Deleted 15 RxNorm codes based on terminology update.  | Value Set          | Terminology            | Annual Update            |
| Value set HIV (2.16.840.1.113883.3.464.1003.120.12.1003): Added 10 SNOMED codes (838377003, 840498003, 10755671000119100, 15928141000119107, 771119002, 771126002, 771127006, 72631000119101, 79019005, 840442003) based on terminology update.   | Value Set          | Terminology            | Annual Update            |

**CMS771v3 - Urinary Symptom Score Change 6-12 Months After Diagnosis of Benign Prostatic Hyperplasia**

| <b>Technical Release Notes</b>   | <b>Type of TRN</b> | <b>Measure Section</b> | <b>Source of Change</b>                                      |
|--|--------------------|------------------------|--|
| Updated the eCQM version number.   | Header             | eCQM Version Number    | Annual Update  |
| Updated copyright.   | Header             | Copyright              | Annual Update  |
| Updated disclaimer.  | Header             | Disclaimer             | Annual Update  |
| Added clarifying language to guidance section indicating that the measure is not eligible for telehealth visits.   | Header             | Guidance               | Measure Lead   |
| Added new functions: Earliest, EarliestOf, and Global HasStart, to provide clarity in handling when null values arise in logic that includes an interval with either a closed or open boundary(ies).   | Logic              | Functions              | Annual Update  |
| Added 'sort by start of prevalence period' to the Initial BPH Diagnosis Starts Within 6 Months Before or After Start of Measurement Period definition to return the first instance of the BPH diagnosis.   | Logic              | Multiple Sections      | <a href="#">ONC Project Tracking System (Jira): CQM-4063</a> |
| 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 the version number of the Measure Authoring Tool (MAT) Global Common Functions Library (MATGlobalCommonFunctions-6.2.000). Updated the 'Inpatient Encounter' definition to include a 'day of' timing clarification. Added the following timing functions: Normalize Interval, Has Start, Has End, Latest, Latest Of, Earliest, and Earliest Of. Please see individual measure details for application of specific timing functions.  | Logic              | Multiple Sections      | Standards Update   |
| Added new NormalizeInterval function to timing attributes to decrease implementation burden due to variable use of timing attributes for select QDM data types. The NormalizeInterval function was applied, where applicable, for the following data elements: Assessment, Performed; Device, Applied; Diagnostic Study, Performed; Intervention, Performed; Laboratory Test, Performed; Medication, Administered; Medication, Dispensed; Physical Exam, Performed; Procedure, Performed; Substance, Administered. | Logic              | Multiple Sections      | Standards Update   |
| Replaced direct reference code LOINC code (88087-2) with direct reference code LOINC code (39156-5) based on review by technical experts, SMEs, and/or public feedback and to harmonize with other measures.   | Value Set          | Terminology            | Measure Lead   |