2011 EHR Measure Specifications
Release Notes

Updated July 2010

CMS is pleased to announce the release of the 2011 EHR Measure Specifications Release Notes. The list below details a comprehensive list of revisions made since the 2010 EHR Measure Specifications.

The 2011 EHR Measure Specifications have been updated to reflect clinical practice guidelines and applicable health informatics that are the most current available as of July, 2010. These specifications may be available for potential use in physician quality initiatives, including but not limited to the Electronic Health Record (EHR) submission under the 2011 Physician Quality Reporting Initiative (PQRI). A measure's inclusion in this document does not guarantee that measure will be used in any specific CMS program in 2011 or any subsequent year.

In the case of measures that have been used in prior initiatives – such as the 2008 and 2009 PQRI EHR testing projects or the QIO-program's Doctor's Office Quality-Information Technology (DOQ-IT) project activities – the specifications detailed in the 2011 EHR Measure Specifications supersede any specifications which may have been used in those prior activities.

To determine which measures are included in any specific CMS program or demonstration, interested parties should refer to the official documentation for that program or demonstration. Please refer to the Medicare Physician Fee Schedule 2011 Proposed Rule (published in the Federal Register in June, 2010) to identify the measures that may be available for data submission through EHRs under the 2011 PQRI program.

List of 2011 EHR Measures containing CPT Category I codes for non-covered services from the PFS:

- Deleted CPT codes 99385-99387 and 99395-99397 from Measures #5 and #7.
- Added CPT codes 99241-99245 to Measures #110, #111 and #112.
- Added CPT codes 99241-99245 and 99251-99255 to Measure #113.

Global Edits:

- Updated table names referenced to correspond with the 2011 EHR Downloadable Resource tables.
- Replaced NDC medication codes with RxNorm medication codes.

Measure #1: Diabetes Mellitus: Hemoglobin A1c Poor Control in Diabetes Mellitus

- Added SNOMED codes to the DX_CODE data element for denominator inclusion criteria.
- Added SNOMED codes to the A1C_CODE data element for numerator inclusion.
- Added ICD-9 codes 249.00, 249.01, 249.10, 249.11, 249.20, 249.21, 249.30, 249.31, 249.40, 249.41, 249.50, 249.51, 249.60, 249.61, 249.70, 249.71, 249.80, 249.81, 249.90 and 249.91 to the EXCLUSION_CODE data element for denominator exclusion.
- Added SNOMED codes to the EXCLUSION_CODE data element for denominator exclusion.

Measure #2: Diabetes Mellitus: Low Density Lipoprotein (LDL-C) Control in Diabetes Mellitus

- Added SNOMED codes to the DX_CODE data element for denominator inclusion criteria.
- Added LOINC code 55440-2 to the LDL_CODE data element for numerator inclusion.
- Added SNOMED codes to the LDL_CODE data element for numerator inclusion.
- Added ICD-9 codes 249.00, 249.01, 249.10, 249.11, 249.20, 249.21, 249.30, 249.31, 249.40, 249.41, 249.50, 249.51, 249.60, 249.61, 249.70, 249.71, 249.80, 249.81, 249.90 and 249.91 to the EXCLUSION_CODE data element for denominator exclusion.
- Added SNOMED codes to the EXCLUSION_CODE data element for denominator exclusion.

<u>Measure #3</u>: Diabetes Mellitus: High Blood Pressure Control in Diabetes Mellitus
- Added SNOMED codes to the DX_CODE data element for denominator inclusion criteria.
- Added several SNOMED codes to the SYSTOLIC_CODE and DIASTOLIC_CODE data elements for numerator inclusion.
- Added ICD-9 codes 249.00, 249.01, 249.10, 249.11, 249.20, 249.21, 249.30, 249.31, 249.40, 249.41, 249.50, 249.51, 249.60, 249.61, 249.70, 249.71, 249.80, 249.81, 249.90 and 249.91 to the EXCLUSION_CODE data element for denominator exclusion.
- Added SNOMED codes to the EXCLUSION_CODE data element for denominator exclusion.

<u>Measure #5</u>: Heart Failure: Angiotensin-Converting Enzyme (ACE) Inhibitor or Angiotensin Receptor Blocker (ARB) Therapy for Left Ventricular Systolic Dysfunction (LVSD)
- Updated Measure Description to clarify LVSD is defined as LVEF < 40%.
- Deleted CPT codes 99385-99387 and 99395-99397 from the ENCOUNTER_CODE data element for denominator inclusion criteria.
- Added ICD-9 codes 398.91, 425.0-425.5 and 425.7-425.9 to the DX_CODE data element for denominator inclusion criteria.
- Added SNOMED codes to the DX_CODE data element for denominator inclusion criteria.
- Added CPT codes 78451-78454, 78481, 78483, 78496, 93313, 93351 and 93352 to the EJEC_FRAC_CODE data element for denominator inclusion criteria.
- Deleted CPT code 93318 from the EJEC_FRAC_CODE data element for denominator inclusion criteria.
- Added several SNOMED codes to the EJEC_FRAC_CODE data element for denominator inclusion criteria.
- Added SNOMED codes to the EXCLUSION_CODE data element for denominator inclusion criteria.
- Added several ICD-9 and SNOMED codes to the PREGNANCY_CODE data element for denominator exclusion.
- Added several SNOMED codes to the ACE_ALLERGY_CODE data element for denominator exclusion.
- Deleted SNOMED code 407595007 from the ACE_ALLERGY_CODE data element for denominator exclusion.
- Added SNOMED codes 293513003 and 401084003 to the ARB_ALLERGY_CODE data element for denominator exclusion.
- Deleted SNOMED code 407593000 from the ARB_ALLERGY_CODE data element for denominator exclusion.

<u>Measure #7</u>: Coronary Artery Disease (CAD): Beta-blocker Therapy for CAD Patients with Prior Myocardial Infarction (MI)
- Removed CPT codes 99385-99387 and 99395-99397 from the ENCOUNTER_CODE data element for denominator inclusion criteria.
- Added SNOMED codes to the DX_CODE and MI_DX_CODE data elements for denominator inclusion criteria.
- Added several SNOMED codes to the EXCLUSION_CODE data element for denominator exclusion.
- Deleted SNOMED codes 19510002, 195508000, 195972005, 195976008, 207585002, 309746001 and 407591003 from the EXCLUSION_CODE data element for denominator exclusion.
- Added SNOMED codes to the AV_BLOCK_CODE and PERM_PACEMAKER_CODE data elements for denominator exclusion.

<u>Measure #110</u>: Preventive Care and Screening: Influenza Immunization for Patients ≥ 50 Years Old
- Added CPT codes 99241-99245, 99304-99310, 99315, 99316, 99324-99328 and 99334-99337 to the ENCOUNTER_CODE data element for denominator inclusion criteria.
- Deleted CPT code 90663 from the INFLUENZA_CODE data element for numerator inclusion.
- Added CVX codes 111 and 135 to the INFLUENZA_CODE data element for numerator inclusion.
- Added several SNOMED codes to the INFLUENZA_CODE data element for numerator inclusion.
- Deleted SNOMED code 396425006 from the INFLUENZA_CODE data element for numerator inclusion.
- Added RxNorm medication codes for numerator inclusion.
- Added SNOMED codes 213020009, 219074005, 294648008, 294649000 and 420113004 to the ALLERGY_CODE data element for denominator exclusion.
- Deleted SNOMED code 407594006 from the ALLERGY_CODE data element for denominator exclusion.
- Added SNOMED code 407573008 to the MEDICAL_REASON data element for denominator exclusion.

Measure #111: Preventive Care and Screening: Pneumonia Vaccination for Patients 65 Years and Older
- Added CPT codes 99211, 99217-99220, 99241-99245, 99304-99310, 99315, 99316, 99318, 99324-99328, 99334-99337, 99356, 99357, 99455 and 99456 to the ENCOUNTER_CODE data element for denominator inclusion criteria.
- Deleted CPT codes 99386 and 99396 from the ENCOUNTER_CODE data element for denominator inclusion criteria.
- Added ICD-9 codes to the ENCOUNTER_CODE data element for denominator inclusion criteria.
- Added CPT codes 90669 and 90670 to the PNEUMO_CODE data element for numerator inclusion.
- Added CVX code 133 to the PNEUMO_CODE data element for numerator inclusion.
- Added SNOMED codes 125714002, 135642004, 135643009, 310578008, 394678003, 400287005, 417011002 and 70447008 to the PNEUMO_CODE data element for numerator inclusion.
- Deleted SNOMED code 398730001 from the PNEUMO_CODE data element for numerator inclusion.
- Added RxNorm medication codes for numerator inclusion.
- Deleted SNOMED codes 293116002 and 413378005 from the ALLERGY_CODE data element for denominator exclusion.
- Deleted CPT Category II code 4040F-2P and SNOMED code 401086001 from the PATIENT_REASON data for denominator exclusion.

Measure #112: Preventive Care and Screening: Screening Mammography
- Added CPT codes 99211, 99217-99220, 99241-99245, 99304-99310, 99315, 99316, 99318, 99324-99328, 99334-99337, 99455 and 99456 to the ENCOUNTER_CODE data element for denominator inclusion criteria.
- Added several SNOMED codes to the MAMMO_CODE data element for numerator inclusion criteria.
- Moved ICD-9 codes 85.41, 85.43, 85.45 and 85.47 from the EXCLUSION_CODE data element to the new UNILAT_BRST_CODE data element for denominator exclusion.
- Moved CPT codes 19303-19307 from the EXCLUSION_CODE data element to the new UNILAT_BRST_CODE data element for denominator exclusion.
- Added several SNOMED codes to the EXCLUSION_CODE data element fro denominator exclusion.
- Added SNOMED codes to the new UNILAT_BRST_CODE data element for denominator exclusion.
- Added SNOMED code 428571003 to the new UNILAT_BRST_1_CODE data element for denominator exclusion.
- Added SNOMED code 429400009 to the new UNILAT_BRST_2_CODE data element for denominator exclusion.

Measure #113: Preventive Care and Screening: Colorectal Cancer Screening
- Updated age range to include patients 50 through 75 years of age in the Measure Description and Denominator Statement.
- Added CPT codes 99211, 99217-99223, 99231-99233, 99238, 99239, 99241-99245, 99251-99255, 99281-99285, 99291, 99304-99310, 99315, 99316, 99318, 99324-99328, 99334-99337, 99455 and 99456 to the ENCOUNTER_CODE data element for denominator inclusion criteria.
- Added ICD-9 codes to the ENCOUNTER_CODE data element for denominator inclusion criteria.
- Deleted the DCBE_CODE data element and corresponding codes from numerator inclusion.
- Added SNOMED codes to the FOBT_CODE and FLEX_SIG_CODE data elements for numerator inclusion.
- Moved ICD-9 code 45.42 from the FOBT_CODE data element to the COLOSCOPE_CODE data element for numerator inclusion.
- Added several SNOMED codes to the COLOREC_SCREEN_CODE data element for numerator inclusion.
- Deleted SNOMED code 316635002 from the COLOREC_SCREEN_CODE data element for numerator inclusion.
- Replaced ICD-9 code 45.8 with 45.81, 45.82 and 45.83 in the EXCLUSION_CODE data element for denominator exclusion.
- Added several SNOMED codes to the EXCLUSION_ CODE data element for denominator exclusion.
- Updated Rationale and Clinical Recommendation Statements

Measure #124: Health Information Technology (HIT): Adoption/Use of Electronic Health Records (EHR)
- Updated Rationale