CMS Electronic Health Record (EHR) Incentive Program

Eligible Hospitals Public Use File (PUF) Data Dictionary and Codebook

This is a hospital-level file with the following variables. See the General Documentation for an overview of file contents, data source, information about suppression, and analytic utility.

EH_TYPE

This field indicates the type of the Eligible Hospital (EH).

Variable Value	Frequency	Frequency (%)
Critical Access Hospitals	852	22.9
Subsection(d) Hospitals	2,870	77.1

Note: Percentages may not add up to 100% due to rounding.

CM1

This variable provides the percentage category implied by the numerator and denominator provided by the EH for CM 1. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
4	Between 30-39.99%	90	32.4
5	Between 40-49.99%	156	4.2
6	Between 50-59.99%	225	6.0
7	Between 60-69.99%	282	7.6
8	Between 70-79.99%	368	9.9
9	Between 80-89.99%	549	14.7
10	Between 90-100%	2,052	55.1

Note: Percentages may not add up to 100% due to rounding.

CM2

This variable provides the response (Yes/No) provided by the EH for CM 2. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
1	Yes	3,722	100.0

CM3

This variable provides the percentage category implied by the numerator and denominator provided by the EH for CM 3. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
9	Between 80-89.99%	683	18.4
10	Between 90-100%	3,039	81.6

Note: Percentages may not add up to 100% due to rounding.

CM4

This variable provides the percentage category implied by the numerator and denominator provided by the EH for CM 4. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
9	Between 80-89.99%	211	5.7
10	Between 90-100%	3,511	94.3

Note: Percentages may not add up to 100% due to rounding.

CM5

This variable provides the percentage category implied by the numerator and denominator provided by the EH for CM 5. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
9	Between 80-89.99%	117	3.1
10	Between 90-100%	3,605	96.9

Note: Percentages may not add up to 100% due to rounding.

CM6

This variable provides the percentage category implied by the numerator and denominator provided by the EH for CM 6. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
6	Between 50-59.99%	16	0.4
7	Between 60-69.99%	38	1.0
8	Between 70-79.99%	64	1.7
9	Between 80-89.99%	234	6.3
10	Between 90-100%	3,370	90.5

Note: Percentages may not add up to 100% due to rounding.

CM7

This variable provides the percentage category implied by the numerator and denominator provided by the EH for CM 7. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
6	Between 50-59.99%	34	0.9
7	Between 60-69.99%	94	2.5
8	Between 70-79.99%	226	6.1
9	Between 80-89.99%	604	16.2
10	Between 90-100%	2,764	74.3

Note: Percentages may not add up to 100% due to rounding.

CM8

This variable provides the percentage category implied by the numerator and denominator provided by the EH for CM 8. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
-1	Excluded	22	0.6
6	Between 50-59.99%	29	0.8
7	Between 60-69.99%	79	2.1
8	Between 70-79.99%	231	6.2
9	Between 80-89.99%	556	14.9
10	Between 90-100%	2,805	75.4

Note: Percentages may not add up to 100% due to rounding.

CM9

This variable provides the response (Yes/No) provided by the EH for CM 9. See Appendix A for more information on this variable. <mark>This is no longer a reportable measure.</mark>

Variable Value	Formatted Value	Frequency	Frequency (%)
-9	Not Reportable in 2013	384	10.3
1	Yes	3,338	89.7

Note: Percentages may not add up to 100% due to rounding.

CM10

This variable provides the response (Yes/No) provided by the EH for CM 10. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
1	Yes	3,722	100.0

CM11

This variable provides the percentage category implied by the numerator and denominator provided by the EH for CM 11. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
-1	Excluded	2,472	66.4
6	Between 50-59.99%	17	0.5
7	Between 60-69.99%	38	1.0
8	Between 70-79.99%	54	1.5
9	Between 80-89.99%	75	2.0
10	Between 90-100%	1,066	28.6

Note: Percentages may not add up to 100% due to rounding.

CM12

This variable provides the percentage category implied by the numerator and denominator provided by the EH for CM 12. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
-1	Excluded	2,333	62.7
6	Between 50-59.99%	17	0.5
7	Between 60-69.99%	52	1.4
8	Between 70-79.99%	75	2.0
9	Between 80-89.99%	110	3.0
10	Between 90-100%	1,135	305

Note: Percentages may not add up to 100% due to rounding.

CM13

This variable provides the response (Yes/No) provided by the EH for CM 13. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
0	No	239	6.4
1	Yes	3,483	93.6

CM14

This variable provides the response (Yes/No) provided by the EH for CM 15. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
1	Yes	3,722	100.0

MM1

This variable provides the response (Yes/No) provided by the EH for MM 1. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
1	Yes	667	17.9
-9	Not Selected	3,055	82.1

Note: Percentages may not add up to 100% due to rounding.

MM2

This variable provides the percentage category implied by the numerator and denominator provided by the EH for MM 2. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
-1	Excluded	19	0.5
6	Between 50-59.99%	23	0.6
7	Between 60-69.99%	55	1.5
8	Between 70-79.99%	125	3.4
9	Between 80-89.99%	257	6.9
10	Between 90-100%	2,892	77.7
-9	Not Selected	351	9.4

Note: Percentages may not add up to 100% due to rounding.

MM3

This variable provides the response (Yes/No) provided by the EH for MM 3. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
5	Between 50-59.99%	9	0.2
6	Between 50-59.99%	17	0.5
7	Between 60-69.99%	25	0.7
8	Between 70-79.99%	106	2.8
9	Between 80-89.99%	386	10.4
10	Between 90-100%	2,617	70.3
-9	Not Selected	562	15.1

Note: Percentages may not add up to 100% due to rounding.

MM4

This variable provides the response (Yes/No) provided by the EH for MM 4. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
1	Between 90-100%	2,127	57.1
-9	Not Selected	1,595	42.9

Note: Percentages may not add up to 100% due to rounding.

MM5

This variable provides the percentage category implied by the numerator and denominator provided by the EH for MM 5. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
2	Between 10-19.99%	46	1.2
3	Between 20-29.99%	53	1.4
4	Between 30-39.99%	80	2.1
5	Between 40-49.99%	93	2.5
6	Between 50-59.99%	106	2.8
7	Between 60-69.99%	150	4.0
8	Between 70-79.99%	203	5.5
9	Between 80-89.99%	295	8.0
10	Between 90-100%	431	11.6
-9	Not Selected	2,265	60.8

Note: Percentages may not add up to 100% due to rounding.

MM6

This variable provides the percentage category implied by the numerator and denominator provided by the EH for MM 6. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
6	Between 50-59.99%	51	1.4
7	Between 60-69.99%	93	2.5
8	Between 70-79.99%	151	4.1
9	Between 80-89.99%	258	6.9
10	Between 90-100%	456	12.1
-9	Not Selected	2,713	72.9

Note: Percentages may not add up to 100% due to rounding.

MM7

This variable provides the percentage category implied by the numerator and denominator provided by the EH for MM 7. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
6	Between 50-59.99%	31	0.9
7	Between 60-69.99%	33	0.9
8	Between 70-79.99%	59	1.6
9	Between 80-89.99%	87	2.3
10	Between 90-100%	104	2.8
-9	Not Selected	3,408	91.6

Note: Percentages may not add up to 100% due to rounding.

MM8

This variable provides the percentage category implied by the numerator and denominator provided by the EH for MM 8. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
-1	Excluded	484	13.0
1	Yes	1,975	53.0
-9	Not Selected	1,263	34.0

Note: Percentages may not add up to 100 due to rounding.

MM9

This variable provides the percentage category implied by the numerator and denominator provided by the EH for MM 9. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
-1	Excluded	198	5.3
1	Yes	636	17.1
-9	Not Selected	2,888	77.6

Note: Percentages may not add up to 100 due to rounding.

MM10

This variable provides the percentage category implied by the numerator and denominator provided by the EH for MM 10. See Appendix A for more information on this variable.

Variable Value	Formatted Value	Frequency	Frequency (%)
-1	Excluded	103	2.8
1	Yes	754	20.3
-9	Not Selected	2,865	77.0

Note: Percentages may not add up to 100 due to rounding.

Program Year

This variable contains the year of attestation to the Medicare EHR Program.

EHR Certification Number

This variable contains the EHR Certification Number of the EH to the Medicare EHR Program.

Appendix A

Table 1. Measures in the CMS 2013 Medicare EHR Incentive Program Eligible Hospitals PUF

Measure Name	Short Variable Name	Measure Category	Objective Title	Objective Description	Measure Description
Core Measure 1	CM1	Meaningful Use Core Measures	CPOE for Medication Orders	Use computerized provider order entry (CPOE) for medication orders directly entered by any licensed healthcare professional who can enter orders into the medical record per state, local and professional guidelines.	More than 30% of all unique patients with at least one medication in their medication list admitted to the EH or CAH have at least one medication order entered using Computerized Provider Order Entry (CPOE).
Core Measure 2	CM2	Meaningful Use Core Measures	Drug Interaction Checks	Implement drug-drug and drug-allergy interaction checks	The EH or CAH has enabled this functionality for the entire EHR reporting period.
Core Measure 3	CM3	Meaningful Use Core Measures	Maintain Problem List	Maintain an up-to-date problem list of current and active diagnoses.	More than 80% of all unique patients admitted to the EH or CAH have at least one entry or an indication that no problems are known for the patient recorded as structured data.
Core Measure 4	CM4	Meaningful Use Core Measures	Active Medication List	Maintain active medication list.	More than 80% of all unique patients admitted to the EH or CAH have at least one entry (or an indication that the patient is not currently prescribed any medication) recorded as structured data.
Core Measure 5	CM5	Meaningful Use Core Measures	Medication Allergy List	Maintain active medication allergy list.	More than 80% of all unique patients admitted to the EH or CAH have at least one entry (or an indication that the patient has no known medication allergies) recorded as structured data.

Measure Name	Short Variable Name	Measure Category	Objective Title	Objective Description	Measure Description
Core Measure 6	CM6	Meaningful Use Core Measures	Record Demographics	Record all of the following demographics: Preferred language, Gender, Race, Ethnicity, Date of birth	More than 50% of all unique patients admitted to the EH or CAH have demographics recorded as structured data.
Core Measure 7	CM7	Meaningful Use Core Measures	Record Vital Signs	Record and chart changes in vital signs: Height, Weight, Blood pressure, Calculate and display body mass index (BMI), Plot and display growth charts for children 2-20 years, including BMI.	More than 50% of all unique patients age 2 and over admitted to the EH or CAH, height, weight and blood pressure are recorded as structure data.
Core Measure 8	CM8	Meaningful Use Core Measures	Record Smoking Status	Record smoking status for patients 13 years old or older.	More than 50% of all unique patients 13 years old or older admitted to the EH or CAH have smoking status recorded as structured data.
Core Measure 9	CM9	Meaningful Use Core Measures	Clinical Quality Measures	Report ambulatory clinical quality measures to CMS.	Successfully report to CMS ambulatory clinical quality measures selected by CMS in the manner specified by the CMS.
Core Measure 10	CM10	Meaningful Use Core Measures	Clinical Decision Support Rule	Implement one clinical decision support rule relevant to specialty or high clinical priority along with the ability to track compliance with that rule.	Implement one clinical decision support rule.
Core Measure 11	CM11	Meaningful Use Core Measures	Electronic Copy of Health Information	Provide patients with an electronic copy of their health information (including diagnostic test results, problem list, medication lists, medication allergies), upon request.	More than 50% of all patients who request an electronic copy of their health information are provided it within 3 business days.
Core Measure 12	CM12	Meaningful Use Core Measures	Discharge Instructions	Provide discharge instructions for patients for each hospitalization.	More than 50% of all patients who are discharged from an EH or CAH who request an electronic copy of their discharge instructions are provided it.

Measure Name	Short Variable Name	Measure Category	Objective Title	Objective Description	Measure Description
Core Measure 13	CM13	Meaningful Use Core Measures	Electronic Exchange of Clinical Information	Capability to exchange key clinical information (for example, problem list, medication list, allergies, diagnostic test results), among providers of care and patient authorized entities electronically.	Performed at least one test of certified EHR technology's capacity to electronically exchange key clinical information.
Core Measure 14	CM14	Meaningful Use Core Measures	Protect Electronic Health Information	Protect electronic health information created or maintained by the certified EHR technology through the implementation of appropriate technical capabilities.	Conduct or review a security risk analysis per 45 CFR 164.308 (a)(1) and implement security updates as necessary and correct identified security deficiencies as part of its risk management process.
Menu Measure 1	MM1	Meaningful Use Menu Measures	Drug Formulary Checks	Implement drug formulary checks	The EH or CAH has enabled this functionality and has access to at least one internal or external drug formulary for the entire EHR reporting period.
Menu Measure 2	MM2	Meaningful Use Menu Measures	Advanced Directives	Record advance directives for patients 65 years old or older	More than 50% of all unique patients 65 years old or older admitted to the EH or CAH have an indication of an advance directive status recorded
Menu Measure 3	MM3	Meaningful Use Menu Measures	Clinical Lab Test Results	Incorporate clinical lab-test results into EHR as structured data.	More than 40% of all clinical lab tests results ordered by the EH or CAH during the EHR reporting period whose results are in either in a positive/negative or
Menu Measure 4	MM4	Meaningful Use Menu Measures	Patient Lists	Generate lists of patients by specific conditions to use for quality improvement, reduction of disparities, research or outreach.	Generate at least one report listing patients of the EH with a specific condition.

Measure Name	Short Variable Name	Measure Category	Objective Title	Objective Description	Measure Description
Menu Measure 5	MM5	Meaningful Use Menu Measures	Patient-specific Education Resources	Use certified EHR technology to identify patient-specific education resources and provide those resources to the patient if appropriate.	More than 10% of all unique patients admitted to the EH or CAH during the EHR reporting period are provided patient-specific education resources.
Menu Measure 6	MM6	Meaningful Use Menu Measures	Medication Reconciliation	The EH who receives a patient from another setting of care or provider of care or believes an encounter is relevant should perform medication reconciliation.	The EH or CAH performs medication reconciliation for more than 50% of transitions of care in which the patient is admitted to the EH or CAH.
Menu Measure 7	MM7	Meaningful Use Menu Measures	Transition of Care Summary	The EH who transitions their patient to another setting of care or provider of care or refers their patient to another provider of care should provide summary of care record for each transition of care or referral.	The EH or CAH who transitions or refers their patient to another setting of care or provider of care provides a summary of care record for more than 50% of transitions of care and referrals.
Menu Measure 8	MM8	Meaningful Use Menu Measures	Immunization Registries Data Submission	Capability to submit electronic data to immunization registries or immunization information systems and actual submission in accordance with applicable law and practice.	Performed at least one test of certified EHR technology's capacity to submit electronic data to immunization registries and follow up submission if the test is successful (unless none of the immunization registries to which the eligible hospital or CAH submits such information have the capacity to receive the information electronically).

Measure Name	Short Variable Name	Measure Category	Objective Title	Objective Description	Measure Description
Menu Measure 9	MM9	Meaningful Use Menu Measures	Reportable Lab Results	Capability to submit electronic data on reportable (as required by state or local law) lab results to public health agencies and actual submission in accordance with applicable law and practice.	Performed at least one test of certified EHR technology's capacity to provide submission of reportable lab results to public health agencies and follow-up submission if the test is successful (unless none of the public health agencies to which the EH or CAH submits such information have the capacity to receive
Menu Measure 10	MM10	Meaningful Use Menu Measures	Syndromic Surveillance Data Submission	Capability to submit electronic syndromic surveillance data to public health agencies and actual submission in accordance with applicable law and practice.	Performed at least one test of certified EHR technology's capacity to provide electronic syndromic surveillance data to public health agencies and follow-up submission if the test is successful (unless none of the public health agencies to which an EH submits such information have the capacity to receive the information electronically).

Table 2. Numerators and Denominators for Measures in the CMS 2011 Medicare EHR Incentive Program Eligible Professionals PUF

Measure Name	Numerator Description	Denominator Description
Core Measure 1	The number of patients in the denominator that have at least one medication order entered using CPOE.	Number of unique patients with at least one medication in their medication list seen by the EH during the EHR reporting period.
Core Measure 3	Number of patients in the denominator who have at least one entry or an indication that no problems are known for the patient recorded as structured data in their problem list.	Number of unique patients seen by the EH during the EHR reporting period.
Core Measure 4	Number of prescriptions in the denominator generated and transmitted electronically.	Number of prescriptions written for drugs requiring a prescription in order to be dispensed other than controlled substances during the EHR reporting period.
Core Measure 5	Number of patients in the denominator who have a medication (or an indication that the patient is not currently prescribed any medication) recorded as structured data.	Number of unique patients seen by the EH during the EHR reporting period.
Core Measure 6	Number of unique patients in the denominator who have at least one entry (or an indication that the patient has no known medication allergies) recorded as structured data in their medication allergy list.	Number of unique patients seen by the EH during the EHR reporting period.
Core Measure 7	Number of patients in the denominator who have all the elements of demographics (or a specific exclusion if the patient declined to provide one or more elements or if recording an element is contrary to state law) recorded as structured data.	Number of unique patients seen by the EH during the EHR reporting period.
Core Measure 8	Number of patients in the denominator who have at least one entry of their height, weight and blood pressure are recorded as structured data.	Number of unique patients age 2 or over seen by the EH during the EHR reporting period.
Core Measure 9	Number of patients in the denominator with smoking status recorded as structured data.	Number of unique patients age 13 or older seen by the EH during the EHR reporting period.

Measure Name	Numerator Description	Denominator Description
Core Measure 12	Number of patients in the denominator who receive an electronic copy of their electronic health information within three business days.	Number of patients of the EH who request an electronic copy of their electronic health information four business days prior to the end of the EHR reporting period.
Core Measure 13	Number of office visits in the denominator for which a clinical summary of Is provided within three business days.	Number of office visits for the EH during the EHR reporting period.
Menu Measure 2	Number of lab test results whose results are expressed in a positive or negative affirmation or as a number which are incorporated as structured data.	Number of lab tests ordered during the EHR reporting period by the EH whose results are expressed in a positive or negative affirmation or as a number.
Menu Measure 4	Number of patients in the denominator who were sent the appropriate reminder.	Number of unique patients 65 years old or older or 5 years older or younger.
Menu Measure 5	Number of patients in the denominator who have timely (available to the patient within four business days of being updated in the certified EHR technology) electronic access to their health information online.	Number of unique patients seen by the EH during the EHR reporting period.
Menu Measure 6	Number of patients in the denominator who are provided patient education specific resources.	Number of unique patients seen by the EH during the EHR reporting period.
Menu Measure 7	Number of transitions of care in the denominator where medication reconciliation was performed.	Number of transitions of care during the EHR reporting period for which the EH was the receiving party of the transition.
Menu Measure 8	Number of transitions of care and referrals in the denominator where a summary of care record was provided.	Number of transitions of care and referrals during the EHR reporting period for which the EH was the transferring or referring provider.

Table 3. Exclusion Criteria for Measures in the CMS 2011 Medicare EHR Incentive Program Eligible Professionals PUF

Measure Name	Exclusion Description/Criteria
Core Measure 1	Any EH who writes fewer than 100 prescriptions during the EHR reporting period would be excluded from this requirement.
Core Measure 4	Any EH who writes fewer than 100 prescriptions during the EHR reporting period would be excluded from this requirement.
Core Measure 8	An EH who sees no patients 2 years or older would be excluded from this requirement.
Core Measure 8	An EH who believes all three vital signs of height, weight, and blood presure have no relevance to their scope of practice.
Core Measure 9	An EH who sees no patients 13 years or older would be excluded from this requirement.
Core Measure 12	An EH who has no requests from patients or their agents for an electronic copy of patient health information during the EHR reporting period would be excluded from this requirement.
Core Measure 13	Any EH who has no office visits during the EHR reporting period would be excluded from this requirement.
Menu Measure 1	An EH who does not perform immunizations during the EHR reporting period would be excluded from this requirement.
Menu Measure 1	If there is no immunization registry that has the capacity to receive the information electronically, an EH would be excluded from this requirement.
Menu Measure 2	If an EH does not collect any reportable syndromic information on their patients during the EHR reporting period, then the EH is excluded from this requirement.
Menu Measure 2	If there is no public health agency that has the capacity to receive the information electronically, then the EH is excluded from this requirement.
Menu Measure 3	Any EH who writes fewer than 100 prescriptions during the EHR reporting period can be excluded from this requirement.
Menu Measure 4	Any EH who orders no lab tests whose results are either in a positive/negative or numeric format during the EHR reporting period would be excluded from this requirement.
Menu Measure 6	Any EH who has no patients 65 years old or older or 5 years old or younger with records maintained using certified EHR technology is excluded from this requirement.
Menu Measure 7	Any EH who neither orders nor creates lab tests or information that would be contained in the problem list, medication list, or medication allergy list during the EHR reporting period would be excluded from this requirement.
Menu Measure 9	An EH who was not on the receiving end of any transition of care during the EHR reporting period would be excluded from this requirement.
Menu Measure 10	An EH who does not transfer a patient to another setting or refer a patient to another provider during the EHR reporting period would be excluded from this requirement.