

Computer Provider Order Entry (CPOE)

Objective:

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. (p.44567)

Denominator:

The number of unique patients with at least one medication in their medication list seen by the EP during the EHR reporting period (p.44334)

Numerator:

The number of patients in the denominator that have at least one medication order entered using CPOE (p. 44334)

Threshold: Over 30%

STAGE 2: The Future

People

CPOE (by licensed professional) for at least 1 medication, and 1 lab or radiology order for 60% of unique patients who have at least 1 such order (order does not have to be transmitted electronically)

Process

Technology

Drug-Drug and Drug Allergy Checks

Objective:

Implement drug-drug and drug allergy interaction checks (p.44567)

Key Information:

Capability of conducting automated drug-drug, drug-allergy checks is included in the certification criteria for certified EHR technology. This automated check provides information to advise the EP's decisions in prescribing drugs to a patient. (p.44335)

Measure:

The EP has enabled this functionality for the entire EHR reporting period. (p.44567)

STAGE 2: The Future

Employ drug-drug interaction checking and drug allergy checking on appropriate evidence-based interactions

People

Process

Technology

Up-to-Date Problem List

Objective:

Maintain an up-to-date problem list of current and active diagnosis (p.44567)

Denominator:

Number of unique patients seen by the EP during the EHR reporting period. (p.44337)

Numerator:

The 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. (p.44337)

Threshold: Over 80%

STAGE 2: The Future

Continue Stage 1

People

Process

Technology

Electronic Prescribing

Objective:

Generate and transmit permissible prescriptions electronically (p.44568)

Denominator:

Number of prescriptions written for drugs requiring a prescription in order to be dispensed other than controlled substances during the EHR reporting period (p. 44338)

Numerator:

The number of prescriptions in the denominator generated and transmitted electronically.(p. 44338)

Threshold: Over 40%

STAGE 2: The Future

Increase Threshold
to 50%

People

Process

Technology

Active Medication List

Objective:

Maintain an active medication list (p.44567)

Denominator:

Number of unique patients seen by the EP during the EHR reporting period (p.44340)

Numerator:

The 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 (p.44340)

Threshold: Over 80%

STAGE 2: The Future

Continue Stage 1

People

Process

Technology

Active Medication Allergy List

Objective:

Maintain an active medication allergy list (p. 44567)

Denominator:

Number of unique patients seen by the EP during the EHR reporting period (p.44340)

Numerator:

The 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 (p.44340)

Threshold: Over 80%

STAGE 2: The Future

Continue Stage 1

People

Process

Technology

Patient Demographic Data

Objective:

Record all of the following demographics: Preferred Language, Gender, Race, Ethnicity, Date of birth. (p. 44567)

Denominator:

Number of unique patients seen by the EP during the EHR reporting period (p.44342)

Numerator:

The 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 (p.44342)

Threshold: Over 50%

STAGE 2: The Future

80% of patients have demographics recorded and can use them to produce stratified quality reports

People

Process

Technology

Changes in Vital Signs

Objective:

Record and chart changes in the following vital signs: Height, Weight, Blood Pressure, Calculate and display Body Mass Index (BMI), Plot and display growth charts for children 2-20 years of age, including BMI (p.44567)

Denominator:

Number of unique patients age 2 or over seen by the EP during the EHR reporting period. (p.44343)

Numerator:

The number of patients in the denominator who have at least one entry of their height, weight and blood pressures recorded as structured data. (p.44343)

Threshold: Over 50%

STAGE 2: The Future

80% of unique patients have vital signs recorded

People

Process

Technology

Record Smoking Status

Objective:

Record smoking status for patients 13 years old or older (p.44567)

Denominator:

Number of unique patients age 13 or older seen by the EP during the EHR reporting period (p.44345)

Numerator:

The number of patients in the denominator with smoking status recorded as structured data (p.44345)

Threshold: Over 50%

STAGE 2: The Future

80% of unique patients have smoking status recorded

People

Process

Technology

Report on Clinical Quality Measures

Objective:

Report ambulatory clinical quality measures to CMS or, in the case of Medicaid EPs, the States. (p.44567)

Measure:

Successfully report to CMS ambulatory clinical quality measures selected by CMS in the manner specified by CMS (p.44567)

For 2011, provide aggregate numerator and denominator through attestation as discussed in section II (A)(3) of the final rule. For 2012, electronically submit the measures as discussed in section II (A)(3) of the final rule (p. 44567)

STAGE 2: The Future

Continue as per
Quality Measures
Workgroup and
CMS

People

Process

Technology

Clinical Decision Support Tools

Objective:

Implement one clinical decision support rule relevant to specialty or high clinical priority along with the ability to track compliance with that rule. (p.44567)

What does “Clinical Decision Support Tool” entail?

HIT functionality that builds upon the foundation of an EHR to provide person involved in care processes with general and person specific information, intelligently filtered and organized, at appropriate times, to enhance health and health care. These tools could include, but are not limited to, evidence based medicine templates, decision trees, reminders, linked online resources, scientific evidence and consensus (p.44350)

STAGE 2: The Future

Use CDS to improve performance on high-priority health conditions. Establish CDS attributes for purposes of certification: 1. Authenticated (source cited); 2. Credible, evidence-based; 3. Patient-context sensitive; 4. Invokes relevant knowledge; 5. Timely; 6. Efficient workflow; 7. Integrated with EHR; 8. Presented to the appropriate party who can take action

People

Process

Technology

Patient Copies of Health Information, upon Request

Objective:

Provide patients with an electronic copy of their health information (including diagnostics test results, problem list, medication list, medication allergies, upon request. (p.44567)

Denominator:

The number of patients of the EP who request an electronic copy of their electronic health information three business days prior to the end of the EHR reporting period (p.44355)

Numerator:

The number of patients in the denominator who receive an electronic copy of their electronic health information within three business days (p.44355)

Threshold: Over 50%

STAGE 2: The Future

Continue Stage 1

People

Process

Technology

Provide Clinical Summaries

Objective:

Provide clinical summaries for patients for each office (p.44567)

Denominator:

The number of unique patients seen by the EP for an office visit during the EHR reporting period (p.44359)

Numerator:

The number of patients in the denominator who are provided a clinical summary of their visit within three business days (p.44359)

Threshold: Over 50%

STAGE 2: The Future

Patients have the ability to view and download relevant information about a clinical encounter within 24 hours of the encounter. Follow-up tests that are linked to encounter orders but not ready during the encounter should be included in future summaries of that encounter, within 4 days of becoming available. Data are available in human-readable and structured forms (HITSC to define)

People

Process

Technology

Information Exchange

Objective:

Capability to exchange key clinical information (for example, problem list, medication list, medication allergies, and diagnostic test results), among providers of care and patient authorized entities electronically (p.44568)

Threshold:

Performed at least one test of certified EHR technology's capacity to electronically exchange key clinical information (p.44568)

STAGE 2: The Future

Connect to at least three external providers in "primary referral network" (but outside delivery system that uses the same EHR) or establish an ongoing bidirectional connection to at least one health information exchange

People

Process

Technology

Drug Formulary Checks

Objective:

Implement drug formulary checks (p.44568)

Measure:

The EP has enabled this functionality and has access to at least one internal or external drug formulary for the entire EHR reporting period (p 44568)

STAGE 2: The Future

Make core requirement.

People

Process

Technology

Clinical Lab Test Results

Objective:

Incorporate clinical lab-test results into EHR as structured data (p.44568)

Denominator:

Number of lab tests ordered during the EHR reporting period by the by the EP whose results are expressed in a positive or negative affirmation or as a number. (p.44346)

Numerator:

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. (p.44346)

Threshold: Over 40%

STAGE 2: The Future

Move current measure to core, but only where results are available

People

Process

Technology

Lists of Patients with a Specific Condition

Objective:

Generate lists of patients by specific conditions to use for quality improvement, reduction of disparities, research and outreach (p.44568)

Measure:

Generate at least one report listing patients of the EP with a specific condition (p. 44568)

STAGE 2: The Future

Make core requirement.
Generate patient lists for multiple patient-specific parameters

People

Process

Technology

Education Resources

Objective:

Use certified EHR technology to identify patient- specific education resources and provide those resources to the patient if appropriate (p.44568)

Denominator:

Number of unique patients seen by the EP during the EHR reporting period (p. 44329)

Numerator:

Number of patients in the denominator who are provided patient specific education resources (p. 44329)

Threshold: Over 10%

STAGE 2: The Future

Continue Stage 1

People

Process

Technology

Medication Reconciliation

Objective:

The EP who receives a patient from another setting of care or provider of care or believes an encounter is relevant should perform medication reconciliation (p. 44568)

Denominator:

The number of transitions of care during the EHR reporting period for which the EP was the receiving party of the transition. (p. 44362)

Numerator:

The number of transitions of care in the denominator where medication reconciliation was performed (p.44362)

Threshold: Over 50%

STAGE 2: The Future

Medication reconciliation conducted at 80% of care transitions by receiving provider (transitions from another setting of care, or from another provider of care, or the provider believes it is relevant)

People

Process

Technology

Provide Timely Access

Objective:

Provide patients with timely electronics access to their health information (including laboratory results, problem list, medication lists, and medication allergies) within four business days of the information being available to the EP (p.44568)

Denominator:

The number of unique patients seen by the EP during the EHR reporting period (44358)

Numerator:

The 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 (p.44358)

Threshold: Over 10%

STAGE 2: The Future

Patients have the ability to view and download (on demand) relevant information contained in the longitudinal record, which has been updated within 4 days of the information being available to the practice. Patient should be able to filter or organize information by date, encounter, etc. Data are available in human-readable and structured forms (HITSC to define).

People

Process

Technology

Summary Care Record

Objective:

The EP 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 care record for each transition of care or referral (p.44568)

Denominator:

Number of transitions of care and referrals during the EHR reporting period for which the EP was the transferring or referring provider (p.44364)

Numerator:

The number of transitions of care and referrals in the denominator where a summary of care record was provided (p.44364)

Threshold: Over 50%

STAGE 2: The Future



People

Move to core



Process



Technology

Immunization Registries

Objective:

Capability to submit electronic data to immunization registries or immunization information systems and actual submission according to applicable law and practice (p.44568)

Measure:

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 immunizations registries to which the EP submits such information has the capacity to receive the information electronically). (p.44568)

STAGE 2: The Future

Mandatory test.
Some immunizations are submitted on an ongoing basis to Immunization Information System (IIS), if accepted and as required by law

People

Process

Technology

Send reminders to Patients

Objective:

Send reminders to patients (per patient preference) for preventive and follow-up care (44568)

Denominator:

The number of unique patients of 65 years old or older or 5 years older or younger (44349)

Numerator:

The number of patients in the denominator who were sent the appropriate reminder (44349)

Measure: Over 20%

STAGE 2: The Future

Move to core

People

Process

Technology

Syndromic Surveillance

Objective:

Capability to submit electronic syndromic surveillance data to public health agencies and actual submission according to applicable law and practice (p.44568)

Measure:

Perform 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 EP submits such information has the capacity to receive such information electronically) (p.44568)

STAGE 2: The Future

Move to Core

People

Process

Technology

Privacy and Security

Objective:

Protect electronic health information created or maintained by the certified EHR technology through the implementation of appropriate technical capabilities (p.44568)

Measure:

Conduct or review a security risk analysis in accordance with the requirements under 45 CFR 164.308 (a) (1) and implement security updates as necessary and correct identified security deficiencies as part of its risk management process (p.44568)

STAGE 2: The Future



People

Continue Stage 1



Process



Technology