

# Stage 1 Meaningful Use



## Meaningful Use Criteria

### Core Set

**Phase 1: Providers are required to meet all 15 criteria in this set. If any of these core objectives are not applicable to an EP's practice, the objective is not required**

Health Outcomes Policy Priority	Eligible Professional (EPs)	Measure
<b>Improving quality, safety, efficiency, and reducing health disparities</b>	Use 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 unique patients with at least one medication in their medication list seen by the eligible provider (EP) or admitted to the eligible hospital/CAH inpatient or emergency department (POS 21 or 23) have at least one medication order entered using CPOE
	Implement drug-drug and drug-allergy interaction checks	The EP/eligible hospital /CAH has enabled this functionality
	Generate and transmit permissible prescription electronically (eRx)	More than 40% of all permissible prescriptions written by the EP are transmitted electronically using certified EHR technology
	Record demographics <ul style="list-style-type: none"> <li>• Preferred language</li> <li>• Gender</li> <li>• Race</li> <li>• Ethnicity</li> <li>• Date of birth</li> </ul>	More than 50% of all unique patients seen by the EP or admitted to the eligible hospital/CAH inpatient or emergency department (POS 21 or 23) have demographics recorded as structured data
	Maintain an up-to-date problem list of current and active diagnoses	More than 80% of all unique patients seen by the EP or admitted to the EH/CAH inpatient or emergency department (POS 21 or 23) have at least one entry or an indication that no problems are known for the patient recorded as structured data
	Maintain active medication list	More than 80% of all unique patients seen by EP or admitted to the eligible hospital/CAH inpatient or emergency departments (POS 21 or 23) have at least one entry (or an indication that the patient is not currently prescribed any medication) recorded as structured data
	Maintain active medication allergy list	More than 80% of all unique patients seen by EP or admitted to the EH/CAH inpatient or emergency departments (POS 21 or 23) have at least 1 entry (or an indication that the patient has no known medication allergies) recorded as structured data
	Record and chart changes in vital signs: <ul style="list-style-type: none"> <li>• Height</li> <li>• Weight</li> <li>• Blood pressure</li> <li>• Calculate and display BMI</li> <li>• Plot and display growth charts for children 2-20 years, including BMI</li> </ul>	For more than 50% of all unique patients age 2 and over seen by the EP or admitted to eligible hospital/CAH inpatient or emergency departments (POS 21 or 23), height, weight, and blood pressure are recorded as structured data
	Record smoking status for patients 13 years old or older	More than 50% of all unique patients 13 years old or older seen by the EP or admitted to the eligible hospital's or CAH's inpatient or emergency department (POS 21 or 23) have smoking status recorded as structured data
	Implement one clinical decision support rule relevant to specialty or high clinical priority along with the ability to track compliance that rule	Implement one clinical decision support rule
	Report ambulatory clinical quality measures to CMS or the States	*For 2011, provide aggregate numerator and denominator, and exclusions through attestation as directed in section II(A) (3) of this final rule *For 2012, electronically submit the clinical quality measures as discussed in section II(A)(3) of this final rule

# Stage 1 Meaningful Use



Health Outcomes Policy Priority	Eligible Professional (EPs)	Measure
<b>Engage patients and families in their health care</b>	Provide patients with an electronic copy of the 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
	Provide clinical summaries for patients for each office visit	Clinical summaries provided to patients for more than 50% of all office visits within 3 business days
<b>Improve Care Coordination</b>	Capability to exchange key clinical information (for example, problem list, medication list, medication 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
<b>Ensure adequate privacy and security protection for personal health information</b>	Protect electronic health information created or maintained by the certified EHR technology through the implementation of appropriate technical capabilities	Conduct or review of 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

# Stage 1 Meaningful Use



## Meaningful Use Criteria Menu Set

**Phase 1: EPs need to select five out of the ten criteria available. One of these objectives must be “Capability to submit electronic data to immunization registries/systems” or “Capability to provide electronic syndromic surveillance data to public health agencies.” The remaining five criteria are deferred.**

Health Outcomes Policy Priority	Eligible Professional (EPs)	Measure
<b>Improving quality, safety, efficiency, and reducing health disparities</b>	Implement drug-formulary checks	The EP/eligible hospitals/CAH has enabled this functionality and has access to at least one internal or external drug formulary
	Incorporate clinical lab-test results into certified EHR technology as structured data	More than 40% of all clinical lab test results ordered by the EP or by an authorized provider of the EH/CAH for patients admitted to its inpatient or emergency department (POS 21 or 23) during the EHR reporting period whose results are either in a positive/negative or numeral format are incorporated in certified EHR technology as structured data
	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 EP, EH or CAH with a specific condition
	Send reminders to patients per patient preference for preventive/ follow-up care	More than 20% of all unique patients 65 years or older or 5 years old or younger were sent an appropriate reminder during eh EHR reporting period
<b>Engage patients and families in their health care</b>	Provide patients with timely electronic access to their health information (including lab results, problem list, medication lists, medication allergies) within four business days of the information available to the EP	More than 10% of all unique patients seen by the EP are provided timely (available to the patient within four business days of being updated in the certified EHR technology) electronic access to their health information subject to the EP’s discretion to withhold certain information
	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 seen by the EP or admitted to the EH/CAH inpatient or emergency department (POS 21 or 23) are provided patient-specific education resources
<b>Improve care coordination</b>	The EP, EH or CAH who receives a patient from another care setting or care provider or believes an encounter is relevant should perform medication reconciliation	The EP, eligible hospital, or CAH performs medication reconciliation for more than 50% of care transitions in which the patient is transitioned into the care of the EP or admitted to the EH/CAH inpatient or emergency department (POS 21 or 23)
	The EP, eligible hospital or CAH who transitions their patient to another care setting or care provider or refers their patient to another care provider should provide summary of care record for each care transition or referral	The EP, eligible hospital, or CAH who transitions or refers their patient to another care setting or care provider provides a summary of care record for more than 50% of care transitions and referrals
<b>Improve population and public health</b>	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 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 EP, eligible hospital or CAH submits such information have the capacity to receive the information electronically)
	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 EP, eligible hospital or CAH submits such information have the capacity to receive the information electronically)

# Stage 1 Meaningful Use



## Reporting of Clinical Quality Measures

**Phase 1: EPs must attest to a total of six Clinical Quality Measures. Three are “Core” measures\* and three are measures selected by the provider from the “Optional” Set.**

*\*If a provider has a zero for any of the core measures, then the provider attest to a measure selected from the “Alternate Core” measures.*

### Core Measures

**A provider must attest to three core measures**

Preventive Care and Screening Measure Pair: a. Tobacco Use Assessment, b. Tobacco Cessation Intervention.	Percentage of patients aged 18 years and older who have been seen for at least 2 office visits who were queried about tobacco use one or more times within 24 months. b. Percentage of patients aged 18 years and older identified as tobacco users within the past 24 months and have been seen for at least 2 office visits, who received cessation intervention.
Hypertension: Blood Pressure Measurement.	Percentage of patient visits for patients aged 18 years and older with a diagnosis of hypertension who have been seen for at least 2 office visits, with blood pressure (BP) recorded.
Adult Weight Screening and Follow-Up.	Percentage of patients aged 18 years and older with a calculated BMI in the past six months or during the current visit documented in the medical record AND if the most recent BMI is outside parameters, a follow-up plan is documented.

### Alternate Core Measures

**If a provider has a zero for any of the core measures, then the provider must attest to a measure selected from the alternate core measures.**

Preventive Care and Screening: Influenza Immunization for Patients > 50 Years Old.	Percentage of patients aged 50 years and older who received an influenza immunization during the flu season (September through February).
Weight Assessment and Counseling for Children and Adolescents.	Percentage of patients 2-17 years of age who had an outpatient visit with a Primary Care Physician (PCP) or OB/GYN and who had evidence of BMI percentile documentation, counseling for nutrition and counseling for physical activity during the measurement year.
Childhood Immunization Status.	Percentage of children 2 years of age who had four diphtheria, tetanus and acellular pertussis (DTaP); three polio (IPV), one measles, mumps and rubella (MMR); two H influenza type B (HiB); three hepatitis B (Hep B); one chicken pox (VZV); four pneumococcal conjugate (PCV); two hepatitis A (Hep A); two or three rotavirus (RV); and two influenza (flu) vaccines by their second birthday. The measure calculates a rate for each vaccine and nine separate combination rates.

# Stage 1 Meaningful Use



## Optional Measures

**In Phase 1, eligible providers must select and attest to three of 38 optional measures**

Diabetes: Hemoglobin A1c Poor Control.	Percentage of patients 18-75 years of age with diabetes (type 1 or type 2) who had hemoglobin A1c > 9.0%.
Diabetes: Low Density Lipoprotein (LDL) Management and Control.	Percentage of patients 18-75 years of age with diabetes (type 1 or type 2) who had LDL-C < 100mg/dL).
Diabetes: Blood Pressure Management.	Percentage of Patients 18-75 years of age with diabetes (type 1 or type 2) who had blood pressure < 140/90mmHg.
Heart Failure (HF): Angiotensin-Converting Enzyme (ACE) Inhibitor or Angiotensin Receptor Blocker (ARB) Therapy for Left Ventricular Systolic Dysfunction (LVSD).	Percentage of patients aged 18 years and older with a diagnosis of heart failure and LVSD (LVEF < 40%) who were prescribed ACE inhibitor or ARB therapy.
Coronary Artery Disease (CAD): Beta-Blocker Therapy for CAD Patients with Prior Myocardial Infarction (MI).	Percentage of patients aged 18 years and older with a diagnosis of CAD and prior MI who were prescribed beta-blocker therapy.
Pneumonia Vaccination Status for Older Adults.	Percentage of patients 65 years of age or older who have ever received a pneumococcal vaccine.
Breast Cancer Screening.	Percentage of adults 50-75 years of age who had appropriate screening for colorectal cancer.
Colorectal Cancer Screening.	Percentage of adults 50-75 years of age who had appropriate screening for colorectal cancer.
Coronary Artery Disease (CAD): Oral Antiplatelet Therapy Prescribed for Patients with CAD.	Percentage of patients aged 18 years and older with a diagnosis of CAD who were prescribed oral antiplatelet therapy.
Heart Failure (HF): Beta-Blocker Therapy for Left Ventricular Systolic Dysfunction (LVSD).	Percentage of patients aged 18 years and older with a diagnosis of heart failure who also have LVSD (LVEF < 40%) and who were prescribed beta-blocker therapy.
Anti-depressant medication management (a) Effective Acute Phase Treatment, (b) Effective Continuation Phase Treatment.	The percentage of patients 18 years of age and older who were diagnosed with a new episode of major depression, treated with antidepressant medication, and who remained on an antidepressant medication treatment.
Primary Open Angle Glaucoma (POAG): Optic Nerve Evaluation.	Percentage of patients aged 18 years and older with a diagnosis of POAG who have been seen for at least two office visits who have an optic nerve head evaluation during one or more office visits within 12 months.
Diabetic Retinopathy: Documentation of Presence or Absence of Macular Edema and Level of Severity of Retinopathy.	Percentage of patients aged 18 years and older with a diagnosis of diabetic retinopathy who had a dilated macular or fundus exam performed which included documentation of the level of severity of retinopathy and the presence or absence of macular edema during one or more office visits with 12 months.
Diabetic Retinopathy: Communication with the Physician Managing Ongoing Diabetes Care.	Percentage of patients aged 18 years and older with a diagnosis of diabetic retinopathy who had a dilated macular or fundus exam performed with documented communication to the physician who manages the ongoing care of the patient with diabetes mellitus regarding the findings of the macular or fundus exam at least once within 12 months.
Asthma Pharmacologic Therapy.	Percentage of patients aged 5 through 40 years with a diagnosis of mild, moderate, or severe persistent asthma who were prescribed either the preferred long-term control medication (inhaled corticosteroid) or an acceptable alternative treatment.

# Stage 1 Meaningful Use



Optional Measures-continued	
Asthma Assessment.	Percentage of patients aged 5 through 40 years with a diagnosis of asthma and who have been seen for at least 2 office visits, who were evaluated during at least one office visit within 12 months for the frequency (numeric) of daytime and nocturnal asthma symptoms.
Appropriate Testing for Children with Pharyngitis.	Percentage of children 2-18 years of age who were diagnosed with pharyngitis, dispensed an antibiotic and received a group A streptococcus (strep) test for the episode.
Oncology Breast Cancer: Hormonal Therapy for Stage IC-IIIC Estrogen Receptor/Progesterone Receptor (ER/PR) Positive Breast Cancer.	Percentage of female patients aged 18 years and older with Stage IC through IIIC, ER or PR positive breast cancer who were prescribed tamoxifen or aromatase inhibitor (AI) during the 12-month reporting period.
Oncology Colon Cancer: Chemotherapy for Stage III Colon Cancer Patients.	Percentage of patients aged 18 years and older with Stage IIIA through IIIC colon cancer who are referred for adjuvant chemotherapy, prescribed adjuvant chemotherapy, or have previously received adjuvant chemotherapy within the 12-month reporting period.
Prostate Cancer: Avoidance of Overuse of Bone Scan for Staging Low Risk Prostate Cancer Patients.	Percentage of patients, regardless of age, with a diagnosis of prostate cancer at low risk of recurrence receiving interstitial prostate brachytherapy, OR external beam radiotherapy to the prostate, OR cryotherapy who did not have a bone scan performed at any time since diagnosis of prostate cancer.
Smoking and Tobacco Use Cessation, Medical assistance: a. Advising Smoking and Tobacco Users to Quit, b. Discussing Smoking and Tobacco Use Cessation Medications, c. Discussing Smoking and Tobacco Use Cessation Strategies.	Percentage of patients 18 years of age and older who were current smokers or tobacco users, who were seen by a practitioner during the measurement year and who received advice to quit smoking or tobacco use or whose practitioner recommended or discussed smoking or tobacco use cessation medications, methods, or strategies.
Diabetes: Eye Exam.	Percentage of patients 18-75 years of age with diabetes (type 1 or type 2) who had a retinal or dilated eye exam or a negative retinal eye exam (no evidence of retinopathy) by an eye care professional.
Diabetes: Urine Screening.	Percentage of patients 18-75 years of age with diabetes (type 1 or type 2) who had a nephropathy screening test or evidence of nephropathy.
Diabetes: Foot Exam.	The percentage of patients aged 18-75 years with diabetes (type 1 or type 2) who had a foot exam (visual inspection, sensory exam with monofilament, or pulse exam).
Coronary Artery Disease (CAD): Drug Therapy for Lowering LDL-Cholesterol.	Percentage of patients aged 18 years and older with a diagnosis of CAD who were prescribed a lipid-lowering therapy (based on current ACC/AHA guidelines).
Heart Failure (HF): Warfarin Therapy Patients with Atrial Fibrillation.	Percentage of all patients aged 18 years and older with a diagnosis of heart failure and paroxysmal or chronic atrial fibrillation who were prescribed warfarin therapy.
Ischemic Vascular Disease (IVD): Blood Pressure Management.	Percentage of patients 18 years of age and older who were discharged alive for acute myocardial infarction (AMI), coronary artery bypass graft (CABG) or percutaneous transluminal coronary angioplasty (PTCA) from January 1-November 1 of the year prior to the measurement year, or who had a diagnosis ischemic vascular disease (IVD) during the measurement year and whose recent blood pressure is in control (< 140/90mmHg).
Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antithrombotic.	Percentage of patients 18 years of age and older who were discharged alive for acute myocardial infarction (AMI), coronary artery bypass graft (CABG) or percutaneous transluminal coronary angioplasty (PCTA) FROM January 1-November 1 of the year prior to the measurement year, or who had a diagnosis of ischemic vascular disease (IVD) during the measurement year and who had documentation of the use of aspirin or another antithrombotic during the measurement year.

# Stage 1 Meaningful Use



Optional Measures-continued	
Initiation and Engagement of Alcohol and Other Drug Dependence Treatment: (a) Initiation, (b) Engagement.	The percentage of adolescent and adult patients with a new episode of alcohol and other drug (AOD) dependence who initiate treatment through an inpatient AOD admission, outpatient visit, intensive outpatient encounter or partial hospitalization within 14 days of the diagnosis and who initiated treatment and who had two or more additional services with an AOD diagnosis within 30 days of the initiation visit.
Prenatal Care: Screening for Human Immunodeficiency Virus (HIV).	Percentage of patients, regardless of age, who gave birth during a 12-month period who were screened for HIV infection during the first or second prenatal care visit.
Prenatal Care: Anti-D Immune Globulin.	Percentage of D (Rh) negative, unsensitized patients, regardless of age, who gave birth during a 12-month period who received anti-D immune globulin at 26-30 weeks gestation.
Controlling High Blood Pressure.	The percentage of patients 18-85 years of age who had a diagnosis of hypertension and whose BP was adequately controlled during the measurement year.
Cervical Cancer Screening.	Percentage of women 21-64 years of age, who received one of more Pap tests to screen for cervical cancer.
Chlamydia Screening for Women.	Percentage of women 15-24 years of age who were identified as sexually active and who had at least one test for Chlamydia during the measurement year.
Use of Appropriate Medications for Asthma.	Percentage of patients 5-50 years of age who were identified as having persistent asthma and were appropriately prescribed medication during the measurement year. Report three age stratifications (5-11 years, 12-50 years, and total).
Low Back Pain: Use of Imaging Studies.	Percentage of patients with a primary diagnosis of low back pain who did not have an imaging study (plain x-ray, MRI, CT scan) within 28 days of diagnosis.
Ischemic Vascular Disease (IVD): Complete Lipid Panel and LDL Control.	Percentage of patients 18 years of age and older who were discharged alive for acute myocardial infarction (AMI), coronary artery bypass graft (CABG) or percutaneous transluminal angioplasty (PTCA) from January 1-November 1 of the year prior to the measurement year, or who had a diagnosis of ischemic vascular disease (IVD) during the measurement year and the year prior to the measurement year and who had a complete lipid profile performed during the measurement year and whose LDL-C<100mg/dL.
Diabetes: Hemoglobin A1c Control (<8.0%).	The percentage of patients 18-75 years of age with diabetes (type 1 or type 2) who had hemoglobin A1c<8.0%.