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## Meaningful Use of Certified EHR Technology with My Vision Express

Eligible Professional Guidelines for Stage 1 of the Medicaid and Medicare EHR Incentive Programs

According to the provisions of the HITECH Act, eligible professionals (EPs) that participate in the Medicare and Medicaid programs can qualify for incentive payments if they adopt and successfully demonstrate meaningful use of certified electronic health record (EHR) technology. My Vision Express Version 10.0 has been ONC-ATCB certified as a Complete EHR system for ambulatory practice settings (CMS EHR Certification ID: 3000001SVGLEAC).



For the Medicare and Medicaid incentive programs, EPs must comply with certain objectives in three stages. During Stage 1, they must comply with 20 objectives: 15 from a "core set", plus 5 that they must select from a "menu set" of 10 objectives. This document describes how to establish the required compliance with each objective using My Vision Express.

### Core Set of Objectives

EPs must comply with all of the following 15 objectives:

1. CPOE for Medication Orders <span style="float: right;">☑</span>	
<b>Objective:</b>	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.
<b>Measure:</b>	More than 30 percent of all unique patients with at least one medication in their medication list seen by the EP have at least one medication order entered using CPOE.
<b>Exclusion:</b>	Any EP who writes fewer than 100 prescriptions during the EHR reporting period.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'Medications' sub-tab to write your medication prescriptions using the **e-Prescribe** button or the **Add** button (to access the **Rx Pad**).

The screenshot shows the 'Rx Pad' window in the My Vision Express software. The patient profile for Benjamin Franklin is visible at the top. The 'Medications' sub-tab is selected. The Rx Pad form includes fields for:

- Location:** MVE: My Vision Eyecare
- Physician:** Snellen, Herman MD (877) 882-7456 (877)
- Rx date:** 06/23/2011
- Expiry date:** 09/23/2011
- Medication group:** Glaucoma
- Medication:** Betagan
- Quantity/Dispense:** Ten (10) ml
- Refills:** Zero
- Dosage #:** 2
- Dosage:** application
- Application:** eyes, both
- Frequency:** Q12H
- Duration:** 0.25 mg
- Strength:** 0.25 mg
- Dispense as written:**
- Released:**
- Release date:** [field]
- Locked:**
- Lock date:** [field]
- Source:** [field]
- Dispensed:**
- Dispensed By:** [field]
- Instructions:** [text area]

Buttons for 'Add...', 'Modify', 'Delete', 'e-Prescribe', 'Letters...', 'Print', 'E-mail...', 'Fax...', 'Education...', and 'RxUI...' are visible on the right side of the Rx Pad window.

## 2. Drug Interaction Checks



**Objective:** Implement drug-drug and drug-allergy interaction checks.

**Measure:** The EP has enabled this functionality for the entire EHR reporting period.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the Medications sub-tab to write your medication prescriptions using the **e-Prescribe** button. In the NewCrop website, you can specify drug-drug and drug-allergy interactions for the patient. You can also see interactions created by other providers in the Surescripts network. When you create a prescription, NewCrop will present you with a warning message if the drug that you are prescribing triggers one of the interactions specified for the patient.

The screenshot shows the 'Compose Page Drug Review' pop-up window. It contains a table with the following data:

Allergy	Drug
Betagan	Betagan 0.5 % Eye Drops

Below the table, there is a 'Close' link and a note: 'Only allergies and contraindicated / most severe interactions are shown. Moderate interactions appear on the Review Page.' Below this, there is an 'Allergy / Intolerance Search' section with a table of allergies and their severities:

Allergy	Severity	memo
Acetaminophen	Severe	
Betagan	Moderate	
Peanut Oil	Severe	
Shellfish	Severe	
dogs (Not Checked)	Severe	
Hay Fever	Mild	

At the bottom, there is a 'Current Medications for Benjamin Franklin' section with a table header: Rx Date Stage, Drug, Sig, #, Refill, Doc / Loc Source.

## 3. Maintain Problem List



**Objective:** Maintain an up-to-date problem list of current and active diagnoses.

**Measure:** More than 80 percent of all unique patients seen by the EP have at least one entry or an indication that no problems are known for the patient recorded as structured data.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'Problem List' sub-tab. You can maintain the problem list for the patient by adding, editing or deleting conditions. If no condition is specified, you can check the 'No Known Problems' checkbox.

The screenshot shows the 'Problem List' tab for patient Benjamin Franklin. It includes a table of active problems:

Date of Onset	ICD	Problem	Eye	Status
03/03/1960	401.0	Hypertension, Malignant	NA	Active
05/12/1974	250	Diabetes Mellitus, Adult	NA	Active
06/23/2000	367.4	Presbyopia	OU	Active
06/23/2005	365.1	Glaucoma, Open Angle, Unspecified	OU	Active

On the right side of the table, there are buttons for 'Add', 'Delete', 'Education...', 'Export HL7', and 'ICD Code...'. At the top right, there is a 'No Known Problems' checkbox.

#### 4. e-Prescribing (eRx) ☑

<b>Objective:</b>	Generate and transmit permissible prescriptions electronically (eRx).
<b>Measure:</b>	More than 40 percent of all permissible prescriptions written by the EP are transmitted electronically using certified EHR technology.
<b>Exclusion:</b>	Any EP who writes fewer than 100 prescriptions during the EHR reporting period.

#### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'Medications' sub-tab to write your drug prescription using the **e-Prescribe** button. In the NewCrop website, you can transmit your prescription to the patient's pharmacy of choice.

Pharm: 0 Fax: 47 Pend: 1

MY VISION EYECARE | Select Dr./Staff | Compose Rx | Med Entry | Pt. Details | Diagnoses | Admin

MY VISION EYECARE Herman Snellen | **Transmit Rx** | Designated Dr/Prescriber: H. Snellen

Patient: Benjamin Franklin DOB: 1/17/1916 Gender: Male  
Encounter ID: 1256

WellCare Dividend South Florida: FL

Rx Date Stage	Drug	Sig	#	Refill	Doc / Loc Source
06/23/11 InProc	Betagan 0.5 % Eye Drops	1 drop in both eyes daily Days Supply: 7	1 Milliliter	0	Snellen

[Click here](#) to specify mail-order/home-delivery for all the above Rx. [Return to Route Rx](#) to modify as needed.

[Complete Mail Order Information and FAQs](#)

Transmit Rx/Add to Record

Bogus Pharmacy Via: Electronic Fax: 4151111111 (required)  
Phone: 111 Nowhere San Francisco, CA 99999

'Herman Snellen I' is not registered at 'MY VISION EYECARE' for the SureScripts network. Scripts will be faxed.

Name	Address	Phone	erx	Fax
CVS Pharmacy	111 Nowhere St San Francisco, CA 99999		<input checked="" type="checkbox"/>	415-111-1111
Walgreens	112 Nowhere St San Francisco, CA 99999		<input checked="" type="checkbox"/>	415-111-1112

this patient's previous pharmacies (change on Pt. Detail)  available mail-order  SureScripts/Retail electronic pharmacy

#### 5. Active Medication List ☑

<b>Objective:</b>	Maintain active medication list.
<b>Measure:</b>	More than 80 percent of all unique patients seen by the EP have at least one entry (or an indication that the patient is not currently prescribed any medication) recorded as structured data.

#### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'Medications' sub-tab to see the list of medications for the patient. By default, only the active medications will be displayed. If the patient has no medication currently prescribed, you can tick the 'No Known Medications' checkbox.

Patient: Franklin, Benjamin(M) 'Ben' 01/17/1916

Patient no: 4 Patient name: Mr. Benjamin Franklin

Profile | Demographics | Insurance | Vision Rx | Files | History | Family | VSP Packing Slips | **Health** | Custom Fields | Interactions

Vital Signs | Problem List | Allergies | Medications | Family History | Disclosures | Immunizations | Laboratory | Diagnostic Tests | HL7 CCD/CCR

Show:  Active  All  No Known Medications

Rx Date	Category	Medication	Strength	Dispense	Dosage number	Dosage Form	Route	Frequency	Duration	Duration Type
01/27/2011	Systemic	TobraDex	0.3-0.1 %	1	1	application	in both eyes	DAILY		
01/25/2011	Systemic	Singulair	10 mg	10	1	tablet	by mouth	DAILY		

Add... Modify

## 6. Medication Allergy List



**Objective:** Maintain active medication allergy list.

**Measure:** More than 80 percent of all unique patients seen by the EP have at least one entry (or an indication that the patient has no known medication allergies) recorded as structured data.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'Allergies' sub-tab. Medication allergies are marked in the 'Allergy Type' column as "Drug".

Patient: Franklin, Benjamin(M) 'Ben' 01/17/1916

Patient no: 4 Patient name: Mr. Benjamin Franklin

Search... Refresh

Profile Demographics Insurance Vision Rx Files History Family VSP Packing Slips **Health** Custom Fields Interactions

Vital Signs Problem List Allergies Medications Family History Disclosures Immunizations Laboratory Diagnostic Tests HL7 CCD/CCR

Show:  Active  All  No Known Allergies

Date Created	Allergy Type	Allergy	Reaction	Status	Date Modified	Source
06/24/2011	Drug	Acetaminophen		Active	00/00/0000	ERX
06/24/2011	Drug	Betagan		Active	00/00/0000	ERX

Add Delete e-Prescribe

## 7. Record Demographics



**Objective:** Record all of the following demographics: preferred language, gender, race, ethnicity and date of birth

**Measure:** More than 50 percent of all unique patients seen by the EP have demographics recorded as structured data.

### How to Comply Using MVE:

In the 'Profile' tab of the patient profile screen, you can record the required demographics information for each patient.

Patient: Franklin, Benjamin(M) 'Ben' 01/17/1916

Patient no: 4 Patient name: Mr. Benjamin Franklin

Search... Refresh Add Letters...

**Profile** Demographics Insurance Vision Rx Files History Family VSP Packing Slips Health Custom Fields Interactions

Title: Mr. First: Benjamin Middle: Last: Franklin Suffix: Nickname: Ben  Active

Address line 1: 318 Market St  Primary  Billing  Shipping Location: MVE: My Vision Eyecare Labels...

Address line 2:  Bad address  HIPAA Consent Consent Date: 12/22/2010 Delete

City: Philadelphia State: PA Zip: 19106 Country: Ref:

Home phone: (215) 965-2305 Mobile: Work phone: (800) 275-8777 Ext: Alt: Fax:

Birth date: 01/17/1916 Age: 95y5m Sex: Male SSN: 987-65-4321 Email: ben@usps.com Pref. contact: E-mail  Send mail

Marital status: Widowed Ethnicity: Not Hispanic or Latino Race: White Smoking status: former smoker

Language: English Employment: Employed Full-time Occupation: Postmaster General Hobbies: Storm chasing

Provider: Dr. Herman Snellen MD Last exam: 12/16/2010 Recall reason: Annual Exam (12 m) Months: 12 Exam Recall: 12/16/2011

Entered: 12/16/2010 Type: Spectacle Recall reason: 6 months Months: 6 Followup Recall: 06/16/2011

Alert:

Guardian: Relationship: Phone: EPREScribe

Emergency: Sarah Franklin Relationship: Child Phone: (215) 965-2305 Alt phone:

Primary Physician: Phone: e-Prescribe

Notes:

Balance Patient balance: 877.98 Insurance balance: 479.00 **Total balance: 1356.98**

Last Order Diagnosis Order No: 168 Order date: 04/28/2011 Order type: Spectacle Lens Code 1: 367.1 Code 2: 367.2 Code 3: 367.4 Code 4:

Scan Scanner... Dialog

## 8. Record Vital Signs



<b>Objective:</b>	Record and chart changes in the following vital signs: height, weight and blood pressure. Calculate and display body mass index (BMI). Plot and display growth charts for children 2-20 years, including BMI.
<b>Measure:</b>	For more than 50 percent of all unique patients age 2 and over seen by the EP, height, weight, and blood pressure are recorded as structured data.
<b>Exclusion:</b>	Any EP who either sees no patients 2 years or older, or who believes that all three vital signs of height, weight, and blood pressure of their patients have no relevance to their scope of practice.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the *'Health'* tab and select the *'Vital Signs'* sub-tab. You can record blood pressure readings here along with the height and weight measurements. BMI is automatically calculated based on height and weight. Click the **Growth Chart** button to display the required data plots.

The screenshot shows the patient profile for Alice Liddell (DOB: 05/04/1990) in the 'Health' tab. The 'Vital Signs' sub-tab is active, displaying a table of recorded data:

Created Date	Age (Yrs)	Blood Pressure (Systolic)	Blood Pressure (Diastolic)	Arm	Pulse	Height (ft)	Height (Inches)	Weight (lbs)	BMI
01/20/1996	6					3	3	25.0	11.6
01/19/1997	7					4	11	90.0	18.2
01/18/1998	8					5	6	120.0	19.4
01/17/1999	9	120		80 Left	85	6	0	135.0	18.3
01/16/2000	10	125		70 Left	80	6	6	139.0	16.1

Below the table, a 'Growth Chart: Alice Liddell (Female) Age: 21' is displayed. The chart shows 'Height for Age (Female)' with Height (in) on the y-axis (0 to 150) and Age on the x-axis (2 to 20). The patient's data is plotted as a yellow line with triangles, showing a steady increase in height over time. A green arrow points from the 'Growth Chart' button in the interface to the chart window.

## 9. Record Smoking Status



<b>Objective:</b>	Record smoking status for patients 13 years old or older.
<b>Measure:</b>	More than 50 percent of all unique patients 13 years or older seen by the EP have smoking status recorded as structured data.
<b>Exclusion:</b>	Any EP who sees no patients 13 years or older.

### How to Comply Using MVE:

In the *'Profile'* tab of the patient profile screen, record the *'Smoking status'* for patients.

The screenshot shows the patient profile for Benjamin Franklin (DOB: 01/17/1916) in the 'Profile' tab. The 'Smoking status' field is highlighted in yellow and set to 'former smoker'. Other fields include:

- Title: Mr.
- First: Benjamin, Middle: , Last: Franklin, Suffix: , Nickname: Ben
- Address line 1: 318 Market St, Address line 2:
- City: Philadelphia, State: PA, Zip: 19106, Country:
- Home phone: (215) 965-2305, Mobile: ( ) - , Work phone: (800) 275-8777, Ext: , Alt: ( ) - , Fax: ( ) -
- Birth date: 01/17/1916, Age: 95y5m, Sex: Male, SSN: 987-65-4321, Email: ben@usps.com
- Marital status: Widowed, Ethnicity: Not Hispanic or Latino, Race: White
- Language: English, Employment: Employed Fulltime, Occupation: Postmaster General, Hobbies: Storm chasing

## 10. Clinical Quality Measures (CQMs) ☑

**Objective:** Report ambulatory clinical quality measures to CMS.

**Measure:** Successfully report to CMS ambulatory clinical quality measures selected by CMS in the manner specified by CMS.

### How to Comply Using MVE:

Go to Reports > Patients > Clinical Quality Measures to generate the required report.

## Clinical Quality Measures Report

### Core Clinical Quality Measures

#### NQF 0421 :: Title: Adult Weight Screening and Follow-Up

Description: 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.

Age >= 65	Denominator: 5 Numerator: 4	Percentage: 80 %
Age >= 18 and < 65	Denominator: 10 Numerator: 4	Percentage: 40 %

#### NQF 0013 :: Title: Hypertension: Blood Pressure Measurement

Description: 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.

## 11. Clinical Decision Support Rules ☑

**Objective:** Implement one clinical decision support rule relevant to specialty or high clinical priority along with the ability to track compliance with that rule.

**Measure:** Implement one clinical decision support rule.

### How to Comply Using MVE:

Go to the **Patient Alerts** window (File > Setup > Exam > Alerts) and click the **Add** button to specify new alerts. You will get the 'Message' that you specify in a warning dialog if you prescribe the medications targeted by an alert and the patient's lab results, age, ethnicity and race match the criteria that you specify on that alert.

The screenshot displays the 'Patient Alerts' window. On the left, a table lists alerts with columns for Description, Message, Operator, Age, Ethnicity, and Race. One alert is highlighted: 'Alert' with the message 'High cardiovascular risk!' and an age of 18. Below the table are input fields for Description, Message, Age, Ethnicity, and Race. On the right, three 'Patient Alerts Details' panels are shown. The top panel shows 'ICD Code' and 'Problem Description' set to 'Cardiovascular Disease'. The middle panel shows 'Medication' set to 'Betagan'. The bottom panel shows 'Laboratory Test Results' with a table of tests and their values:

Test	Operator	Value	Unit
Cholest SerPtmCnc	>	200	mg/dL
HDLc SerPtmCnc	<	40	mg/dL
LDLc SerPtmCnc	>	100	mg/dL
Trigl SerPtmCnc	>	150	mg/dL

## 12. Electronic Copy of Health Information ☑

<b>Objective:</b>	Provide patients with an electronic copy of their health information (including diagnostic test results, problem list, medication lists, medication allergies) upon request.
<b>Measure:</b>	More than 50 percent of all patients who request an electronic copy of their health information are provided it within 3 business days.
<b>Exclusion:</b>	Any EP that has no requests from patients or their agents for an electronic copy of patient health information during the EHR reporting period.

### How to Comply Using MVE:

In the patient profile or exam screens, go to the 'Health' tab and select the 'HL7 CCD/CCR' sub-tab. You can export an XML file with the patient's data in CCD format and provide it to the patient in any type of electronic media.

Patient: Wright, Oliver(M) 05/19/1984  
 Patient no: 2 Patient name: Mr. Oliver Wright

Search... Refresh Add

Profile Demographics Insurance Vision Rx Files History Family VSP Packing Slips **Health** Custom Fields Interactions

Vital Signs Problem List Allergies Medications Family History Disclosures Immunizations Laboratory Diagnostic Tests **HL7 CCD/CCR**

File Type	File ID	Created Date	Created By	Last Updated	Audit ID	Direction	Sent to HealthVault	Exam ID
→ CCD	127	5/26/2011 10:17:27	Express, Vision	5/26/2011 10:17:27		In		0
CCD	128	6/20/2011 12:24:33	Express, Vision	6/20/2011 12:28:21		Out	6/20/2011 12:28:20	0
CCD	129	6/24/2011 15:03:10	Express, Vision	6/24/2011 15:03:10		In		0

Import  
Export  
Delete  
View  
Email  
**Generate CCD**  
Upload

## 13. Clinical Summaries ☑

<b>Objective:</b>	Provide clinical summaries for patients for each office visit.
<b>Measure:</b>	Clinical summaries provided to patients for more than 50 percent of all office visits within 3 business days.
<b>Exclusion:</b>	Any EP who has no office visits during the EHR reporting period.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'HL7 CCD/CCR' sub-tab. You can click the **View** button to generate a *Continuity of Care Document* that you can provide to the patient.

Patient: Wright, Oliver(M) 05/19/1984  
 Patient no: 2 Patient name: Mr. Oliver Wright

Search... Refresh Add

Profile Demographics Insurance Vision Rx Files History Family VSP Packing Slips **Health** Custom Fields Interactions

Vital Signs Problem List Allergies Medications Family History Disclosures Immunizations Laboratory Diagnostic Tests **HL7 CCD/CCR**

File Type	File ID	Created Date	Created By	Last Updated	Audit ID	Direction	Sent to HealthVault	Exam ID
→ CCD	127	5/26/2011 10:17:27	Express, Vision	5/26/2011 10:17:27		In		0
CCD	128	6/20/2011 12:24:33	Express, Vision	6/20/2011 12:28:21		Out	6/20/2011 12:28:20	0
CCD	129	6/24/2011 15:03:10	Express, Vision	6/24/2011 15:03:10		In		0

Import  
Export  
Delete  
**View**  
Email  
Generate CCD  
Upload

NOTE: To be able to generate CCD files, you need to enter an ISO Object Identifier (OID) for your organization in MVE. For additional information on how to obtain an OID and enter it in MVE, please check: <http://support.myvisionexpress.com/index.php?Knowledgebase/Article/View/120>.

## 14. Electronic Exchange of Clinical Information

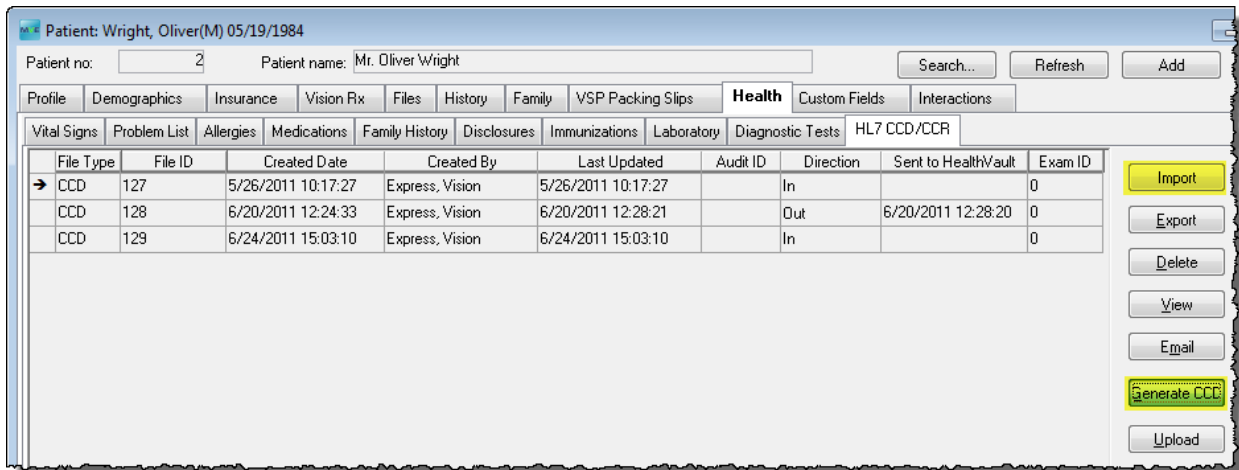


**Objective:** Capability to exchange key clinical information (for example, problem list, medication list, medication allergies, and diagnostic test results), among providers of care and patient authorized entities electronically.

**Measure:** Performed at least one test of certified EHR technology's capacity to electronically exchange key clinical information.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'HL7 CCD/CCR' sub-tab. You can export an XML file with the patient's data in HL7 CCD format and forward it to another provider electronically. If another provider sends you an HL7 CCD file electronically, you can use the **Import** button to load the information in that file.



NOTE: To be able to generate CCD files, you need to enter an ISO Object Identifier (OID) for your organization in MVE. For additional information on how to obtain an OID and enter it in MVE, please check: <http://support.myvisionexpress.com/index.php?Knowledgebase/Article/View/120>.

## 15. Protect Electronic Health Information



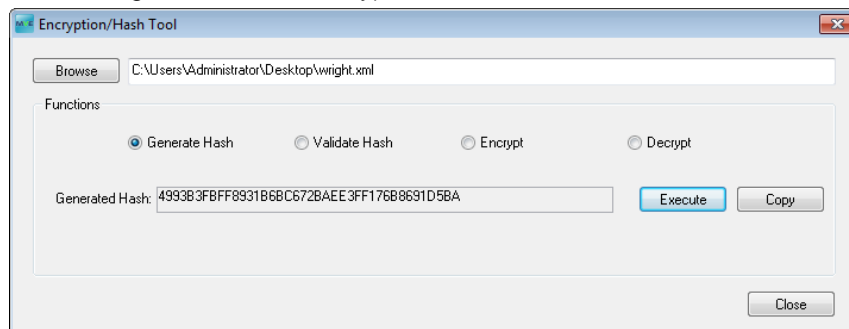
**Objective:** Protect electronic health information created or maintained by the certified EHR technology through the implementation of appropriate technical capabilities.

**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.

### How to Comply Using MVE:

Setup individual employee profiles for every user in the system (File > Setup > Employees) and assign each employee to a security group. Specify the level of access for each security group from the 'Security' tab of the **Company Information** screen (File > Setup > Company Information). Also, from this 'Security' tab, adjust the 'Automatic log-off from MVE' value (this defines the period of inactivity after which the system will log users off automatically).

Use the **Encryption/Hash Tool** (Tool > Encryption/Hash Tool...) dialog to generate hash values to authenticate data files that you exchange electronically and contain patient's protected health information (PHI). Use this dialog to encrypt these data files (before transmitting them electronically) also.



## Menu Set of Objectives

EPs must comply with 5 of the 10 menu set objectives outlined in this section. Of these five objectives, one must be either objective number 9 (Immunization Registries Data Submission) or number 10 (Syndromic Surveillance Data Submission); unless exceptions to both are obtained.

1. Drug Formulary Checks <span style="float: right;">☑</span>	
<b>Objective:</b>	Implement drug formulary checks.
<b>Measure:</b>	The EP has enabled this functionality and has access to at least one internal or external formulary for the entire EHR reporting period.
<b>Exclusion:</b>	Any EP who writes fewer than 100 prescriptions during the EHR reporting period.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'Medications' sub-tab to write your drug prescription using the **e-Prescribe** button. In the NewCrop website, you can select a plan and click the Formulary: Preferred link to see the list of therapeutic alternatives in the patient's plan.

Drug	Copay	Formulary Status
Betagan 0.25 % Eye Drops (Preferred)		Preferred
Betagan 0.5 % Eye Drops (Preferred)		Preferred
betaxolol 0.5 % Eye Drops (Preferred)		Preferred
betaxolol 10 mg Tab (Preferred)		Preferred

2. Clinical Lab Test Results <span style="float: right;">☑</span>	
<b>Objective:</b>	Incorporate clinical lab test results into EHR as structured data.
<b>Measure:</b>	More than 40 percent of all clinical lab test results ordered by the EP during the EHR reporting period whose results are either in a positive/negative or numerical format are incorporated in certified EHR technology as structured data.
<b>Exclusion:</b>	An EP who orders no lab tests whose results are either in a positive/negative or numeric format during the EHR reporting period.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'Laboratory' sub-tab to enter the parameters for patient labs and record or view the results.

Order ID	Test Type	LOINC	Test Name	Test Report Date	Normal Range	Result Value	Unit Measure	Test Low	Add
10	Basic Metabolic Panel	2341-6	Blood Glucose	12/15/2009	60-99	91	mg/dL		
11	Basic Metabolic Panel	17861-6	Calcium	12/15/2009	8.3-10.4	9.1	mg/dL		Delete
12	Basic Metabolic Panel	2951-2	Sodium	12/15/2009	135-144	140	mmol/L		Education...
13	Basic Metabolic Panel	22760-3	Potassium	12/15/2009	3.7-5.5	4.5	mmol/L		LOINC...
14	Basic Metabolic Panel	2028-9	Carbon Dioxide	12/15/2009	20-31	27	mmol/L		
15	Basic Metabolic Panel	2075-0	Chloride	12/15/2009	98-110	98	mmol/L		

### 3. Patient Lists



**Objective:** Generate lists of patients by specific conditions to use for quality improvement, reduction of disparities, research, or outreach.

**Measure:** Generate at least one report listing patients of the EP with a specific condition.

#### How to Comply Using MVE:

The **Extended Search** button in the 'Search' tab of the **Letters** screen can be used to search for patients with any given combination of medical problems, medications, lab results, allergies and immunizations.

The screenshots illustrate the 'Patient Extended Search' interface with the following search criteria:

- Search 1:** Problem: Glaucoma - Absolute, ICD Code: 360.42, Status: Active, AND/OR: AND
- Search 2:** Medication: Betoptic, Status: Active, AND/OR: AND
- Search 3:** Laboratory Test Results: HDLc SerPl-mCnc, Operator: >, Value: 200, Unit Measure: Mg/dL, AND/OR: AND
- Search 4:** Allergies: Nortriptyline, Status: Active, AND/OR: AND
- Search 5:** Immunizations: Admin. Code: 60, Admin. Code Description: herpes simplex virus, type 2 vaccine, AND/OR: AND

### 4. Patient Reminders



**Objective:** Send reminders to patients per patient preference for preventive/follow-up care.

**Measure:** More than 20 percent of all patients 65 years or older or 5 years old or younger were sent an appropriate reminder during the EHR reporting period.

**Exclusion:** An EP who has no patients 65 years old or older or 5 years old or younger with records maintained using certified EHR technology.

#### How to Comply Using MVE:

Specify the recall dates in the 'Assessment' tab of the **Exam** screen or directly in the patient profile screen. Go to **File > Letters** to generate your recall letters periodically.

The screenshot shows the 'Patient Profile' screen for Benjamin Franklin (Patient ID: 4). The 'Assessment' tab is active, showing the following recall information:

Recall Reason	Months	Exam Recall	Followup Recall
Annual Exam (12 m)	12	12/16/2011	
6 months	6		06/16/2011

## 5. Patient Electronic Access



**Objective:** Provide patients with timely electronic access to their health information (including lab results, problem list, medication lists, and allergies) within 4 business days of the information being available to the EP.

**Measure:** At least 10 percent 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.

**Exclusion:** Any EP that neither orders nor creates lab tests or information that would be contained in the problem list, medication list, medication allergy list (or other information as listed at 45 CFR 170.304(g)) during the EHR reporting period.

### How to Comply Using MVE:

My Vision Express has created a web portal called My Vision Chart that integrates with Microsoft HealthVault. You can upload patient records to this portal and then each patient can update his HealthVault account based on the information that you provide. Your practice will need to register with My Vision Chart and HealthVault before you can start uploading patient records.

Patients will also need to register with My Vision Chart to port their records to HealthVault. My Vision Express generates a link and PIN code that you will provide to them so that they can complete this registration process.



## 6. Patient-specific Education Resources



**Objective:** Use certified EHR technology to identify patient-specific education resources and provide those resources to the patient if appropriate.

**Measure:** More than 10 percent of all unique patients seen by the EP are provided patient specific education resources.

### How to Comply Using MVE:

In the **Education Resources** screen (*File > Setup > Education Resources*), click the **Add** button to specify a new education resource. From the **'Assessment'** tab of the **Exam** screen, click on the **Education...** button to see a list of education resources to be presented to the patient. In the **'Health'** tab –under the **'Problem List'**, **'Medications'** or **'Laboratory'** sub-tabs– select a record and click the **Education...** button to display the education resource relevant to that record.

The screenshot shows the EHR interface for a patient named Charles Darwin. The 'Health' tab is active, and the 'Medications' sub-tab is selected. A table lists medications, with 'Betagan' highlighted. A 'Patient Education' window is open, showing a table with one entry: 'Betagan Drug Information' with a file link. A green arrow points from the 'Run Selected' button in this window to a PDF viewer window titled 'BETAGAN® Prescribing Information - Adobe Reader'. The PDF viewer displays the following text:

**INDICATIONS AND USAGE**  
BETAGAN® ophthalmic solution has been shown to be effective in lowering intraocular pressure and may be used in patients with chronic open-angle glaucoma or ocular hypertension.

**CONTRAINDICATIONS**  
BETAGAN® ophthalmic solution is contraindicated in those individuals with bronchial asthma, or with a history of bronchial asthma, or severe chronic obstructive pulmonary disease (see WARNINGS); sinus bradycardia; second and third degree atrioventricular block; overt cardiac failure (see WARNINGS); cardiogenic shock; or hypersensitivity to any component of these products.

**WARNINGS**  
As with other topically applied ophthalmic drugs, BETAGAN® may be absorbed systemically. The same adverse reactions found with systemic administration of beta-adrenergic blocking

## 7. 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

**Measure:** The EP performs medication reconciliation for more than 50 percent of transitions of care in which the patient is transitioned into the care of the EP.

**Exclusion:** An EP who was not the recipient of any transitions of care during the EHR reporting period.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'Medications' sub-tab. Use the **e-Prescribe** button to access the NewCrop website. Review the list of Current Medications at the bottom of the page and click on the **Drug Review** link to generate a report.

https://secure.newcropaccounts.com/Pages/PatientMedicationReview.aspx

MY VISION EYECARE Pharm: 0 Fax: 47 Pend: 2 INSIGHT SOFTWARE LLC

Select Dr./Staff Compose Rx Med Entry Pt. Details Diagnoses Admin

Herman Snellen I Designated Dr/Prescriber: H. Snellen

Patient: Charles R Darwin DOB: 1/1/1900 Gender: Male  
Encounter ID: 1260 SelectHealth HMO: UT

Close

**Patient Information**  
Patient Charles R Darwin  
MRN/Chart# 1  
DOB 01/01/1900  
Gender Male

**Address Information**  
Address 13880 SW 103rd Ln  
City State Zip Miami, 33186

**Contact Information**  
Day/Work Phone  
Evening/Home Phone 5555555555  
Address: Day Phone: Evening Phone:

Reviews performed: Drug-Drug: 0 found Drug-Allergy: 0 found Drug-Disease: 0 found

Current Medications:

Doctor	Medication	Directions
Mouse	Betagan 0.5 % Eye Drops	1 drop in both eyes daily
Harrah	Singulair 10 mg Tab	1 tablet by mouth daily
Harrah	tobramycin 0.3 % Eye Drops	1 drop in both eyes daily

## 8. Transition of Care Summary



**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.

**Measure:** The EP 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 percent of transitions of care and referrals.

**Exclusion:** An EP who neither transfers a patient to another setting nor refers a patient to another provider during the EHR reporting period.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'HL7 CCD/CCR' sub-tab. You can export an XML file with the patient's data in HL7 CCD format and forward it to another provider.

Patient: Wright, Oliver(M) 05/19/1984

Patient no: 2 Patient name: Mr. Oliver Wright Search... Refresh Add

Profile Demographics Insurance Vision Rx Files History Family VSP Packing Slips Health Custom Fields Interactions

Vital Signs Problem List Allergies Medications Family History Disclosures Immunizations Laboratory Diagnostic Tests HL7 CCD/CCR

File Type	File ID	Created Date	Created By	Last Updated	Audit ID	Direction	Sent to HealthVault	Exam ID
CCD	127	5/26/2011 10:17:27	Express, Vision	5/26/2011 10:17:27		In		0
CCD	128	6/20/2011 12:24:33	Express, Vision	6/20/2011 12:28:21		Out	6/20/2011 12:28:20	0
CCD	129	6/24/2011 15:03:10	Express, Vision	6/24/2011 15:03:10		In		0

Import  
Export  
Delete  
View  
Email  
Generate CCD  
Upload

## 9. Immunization Registries Data Submission\*



**Objective:** Capability to submit electronic data to immunization registries or immunization information systems and actual submission according to applicable law and practice.

**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 immunization registries to which the EP submits such information has the capacity to receive the information electronically).

**Exclusion:** An EP who administers no immunizations during the EHR reporting period or where no immunization registry has the capacity to receive the information electronically.

### How to Comply Using MVE:

In the patient profile or **Exam** screens, go to the 'Health' tab and select the 'Immunizations' sub-tab. You can **Export** an XML file with the patient's immunization data in HL7 format. Follow up with your state's immunization registry for instructions on how to upload immunization files.

Administration Start	Administration End	Admin. Code	Vaccine Name	Administered Amount	Administered Units Code	Substance Lot Numbers	Substance Code	Substance Manufacture
02/15/2011	02/15/2011	111	influenza virus vaccine, live, attenuate	5mL		49281-372-15	PMC	sanofi paster

## 10. Syndromic Surveillance Data Submission\*



**Objective:** Capability to submit electronic syndromic surveillance data to public health agencies and actual submission according to applicable law and practice.

**Measure:** 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 submits such information has the capacity to receive the information electronically).

**Exclusion:** An EP who does not collect any reportable syndromic information on their patients during the EHR reporting period or does not submit such information to any public health agency that has the capacity to receive the information electronically.

### How to Comply Using MVE:

Go to File > Reports > Patient > Syndrome Surveillance. In the 'Criteria' tab, after specifying the range of dates and the ICD Code to search for, click the **Search** button. In the 'Preview' tab, click the **Save As...** button to save the data in the required HL7 format for CDC submission.

Icd Code	Problem Name	Date Resolved	First Name	Last Name	Last Exam Date
401.0	Hypertension, Malignant		Benjamin	Franklin	12/16/2010
401.0	Hypertension, Malignant		Charles	Darwin	11/13/2010
401.0	Hypertension, Malignant		Susan	Anthony	3/6/2008

\* Select objectives 9 or 10 as one of the 5 objectives from the menu set.

## Incentives and Payment Adjustments

The table below outlines the maximum incentive amounts that EPs can receive by year of adoption (of certified EHR technology) and program (Medicare or Medicaid).

Incentive Payments by Program												
Calendar Year	Medicare	Medicaid	Medicare	Medicaid	Medicare	Medicaid	Medicare	Medicaid	Medicare	Medicaid	Medicare	Medicaid
2011	\$18,000	\$21,250										
2012	\$12,000	\$8,500	\$18,000	\$21,250								
2013	\$8,000	\$8,500	\$12,000	\$8,500	\$15,000	\$21,250						
2014	\$4,000	\$8,500	\$8,000	\$8,500	\$12,000	\$8,500	\$12,000	\$21,250				
2015	\$2,000	\$8,500	\$4,000	\$8,500	\$8,000	\$8,500	\$8,000	\$8,500		\$21,250		
2016		\$8,500	\$2,000	\$8,500	\$4,000	\$8,500	\$4,000	\$8,500		\$8,500		\$21,250
2017				\$8,500		\$8,500		\$8,500		\$8,500		\$8,500
2018						\$8,500		\$8,500		\$8,500		\$8,500
2019								\$8,500		\$8,500		\$8,500
2020										\$8,500		\$8,500
2021												\$8,500
Total*	\$44,000	\$63,750	\$44,000	\$63,750	\$39,000	\$63,750	\$24,000	\$63,750	\$0	\$63,750	\$0	\$63,750

\* If EP does not switch programs.

NOTE: Medicare EPs may not receive EHR incentive payments under both Medicare and Medicaid. The amount of the annual EHR incentive payment limit for each payment year will be increased by 10 percent for EPs who predominantly furnish services in an area that is designated as a Health Professional Shortage Area.

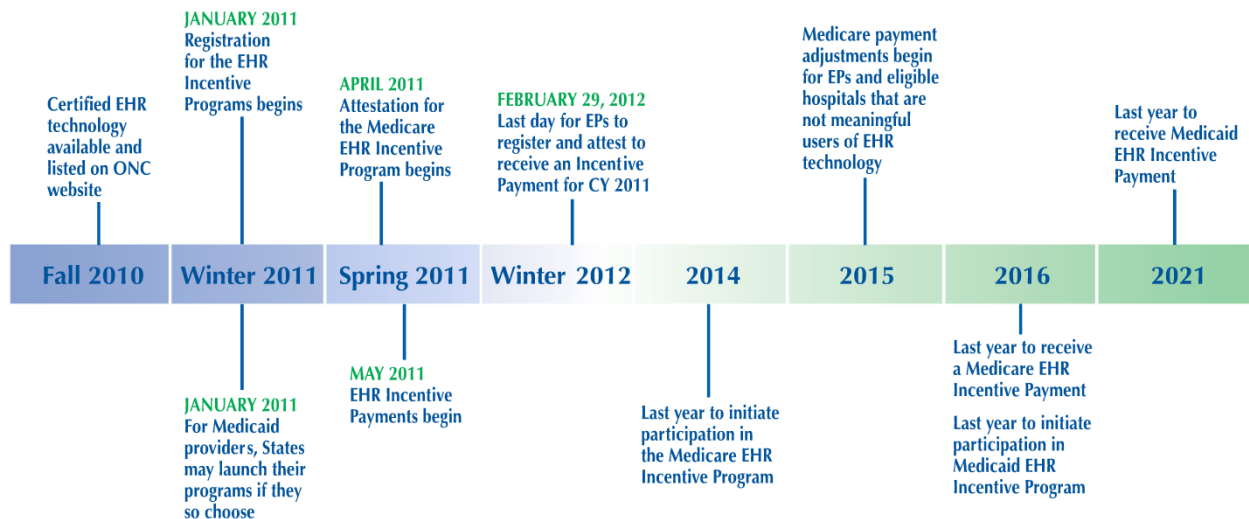
Section 1848(a)(7) of the HITECH Act provides that beginning in 2015, EPs who do not demonstrate that they are meaningful users of certified EHR technology will be subject to a payment adjustment equal to -1% of their Medicare PFS allowed charges. This adjustment will increase to -2% for 2016, and -3% for 2017 and each subsequent year.

## Registration and Attestation

In order to receive the incentive payments, EPs must first register for either the Medicare or the Medicaid EHR Incentive Program and meet the meaningful use criteria outlined in this document. Then, they must use the CMS web-based system to successfully attest that they have met that criteria using certified EHR technology. During the attestation process, EPs using My Vision Express will need to provide its CMS EHR Certification ID which is 30000001SVGLEAC. For additional information, please visit:

[http://www.cms.gov/EHRIncentivePrograms/20\\_RegistrationandAttestation.asp](http://www.cms.gov/EHRIncentivePrograms/20_RegistrationandAttestation.asp)

## Timeline



## Useful Links

EHR Incentive Programs page at the CMS website:

<https://www.cms.gov/EHRIncentivePrograms/>

EHR Incentive Programs Final Rule:

<http://edocket.access.gpo.gov/2010/pdf/2010-17207.pdf>

Incentive Programs Registration and Attestation Page:

<https://ehrincentives.cms.gov/hitech/login.action>