

Stage 1 Meaningful Use & Reportable Lab Results

OSELS

Public Health Informatics and Technology Program Office



Presentation Outline

- ❑ Basics of Meaningful Use**
- ❑ Specifics of Reportable Lab Results**
- ❑ FAQs**

MEANINGFUL USE : BASICS

Meaningful Use: Terminology

- **CMS- Centers for Medicare & Medicaid Services**
- **ONC- Office of National Coordinator for Health Information Technology**
- **EP- Eligible Professional**
- **EH- Eligible Hospital**
- **CAH- Critical Access Hospital**
- **MU- Meaningful Use**
- **NACCHO- National Association of County & City Health Officials**
- **JPHIT- Joint Public Health Informatics Taskforce**
- **PHIN – Public Health Information Network**
- **OSELS- Office of Surveillance, Epidemiology and Laboratory Services**
- **CSTE- Council of State & Territorial Epidemiologists**

What is EHR Meaningful Use?

Meaningful Use has been defined by 3 requirements-:

- Use of certified EHR technology in a meaningful manner
- Ensuring that this technology can electronically exchange health information to improve quality of care
- Ensuring that the providers of this technology submit information on quality of care and other selected measures to Secretary HHS

Meaningful Use : The Regulations

- **Incentive Program for Electronic Health Records**: Issued by the Centers for Medicare & Medicaid Services (CMS), this final rule defines the minimum requirements that EH and EP must achieve using their certified EHR technology in order to qualify for the payments.
- **Standards and Certification Criteria for Electronic Health Records**: Issued by the Office of the National Coordinator (ONC) for Health Information Technology, this rule identifies the standards and certification criteria for EHR technology.

What are the goals of Meaningful Use?

Improve *quality, safety*, efficiency, and *reduce health disparities*

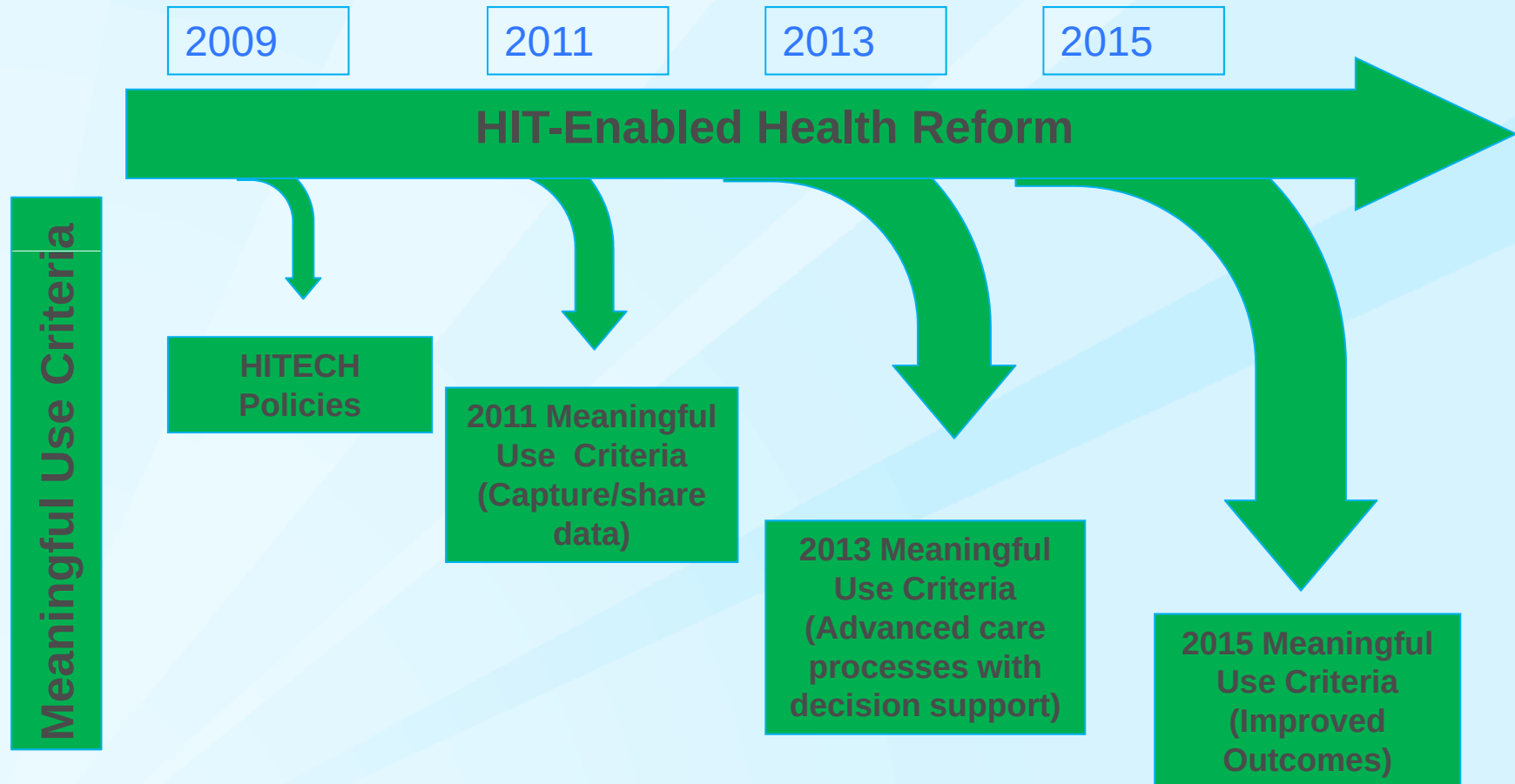
Engage patients and families

Improve care coordination

Ensure adequate privacy & security protections for personal health information

Improve Population and Public Health

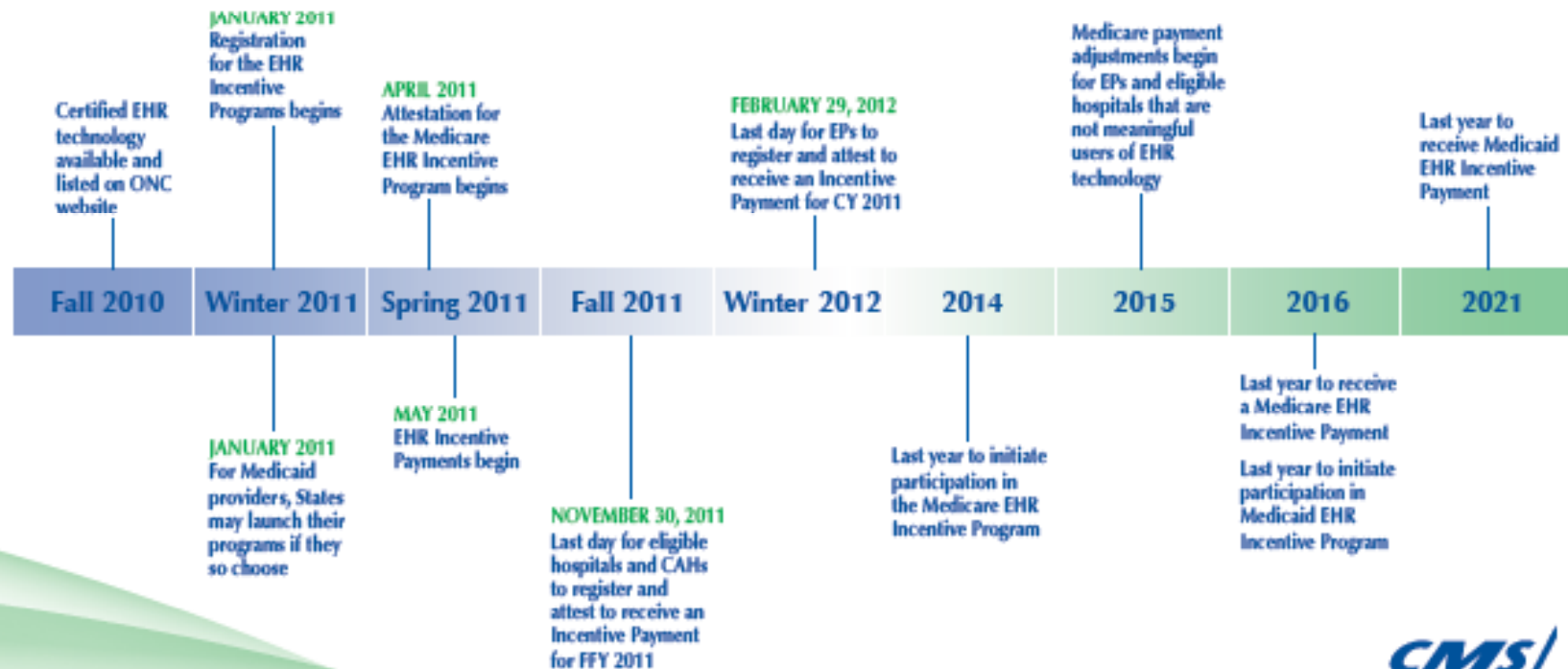
Achieving : EHR Meaningful Use



- Source : Centers for Medicare & Medicaid Services (CMS)



CMS Medicare and Medicaid EHR Incentive Programs Milestone Timeline



Who will get the incentive?

Who gets the incentive payments?



Incentive Payments



Eligible Professionals



Eligible Hospitals



Eligible Critical Access Hospitals

Public Health Objectives : Electronic Health Records Meaningful Use

Stage 1 Meaningful Use has 3 Public Health objectives* which require capability to submit electronic data to:

- Immunization Registries or Immunization Information Systems (IIS)**
- Syndromic Surveillance**
- Reportable Lab results / Electronic Lab Reporting [ELR]**

*** Must choose at least one for Stage I**

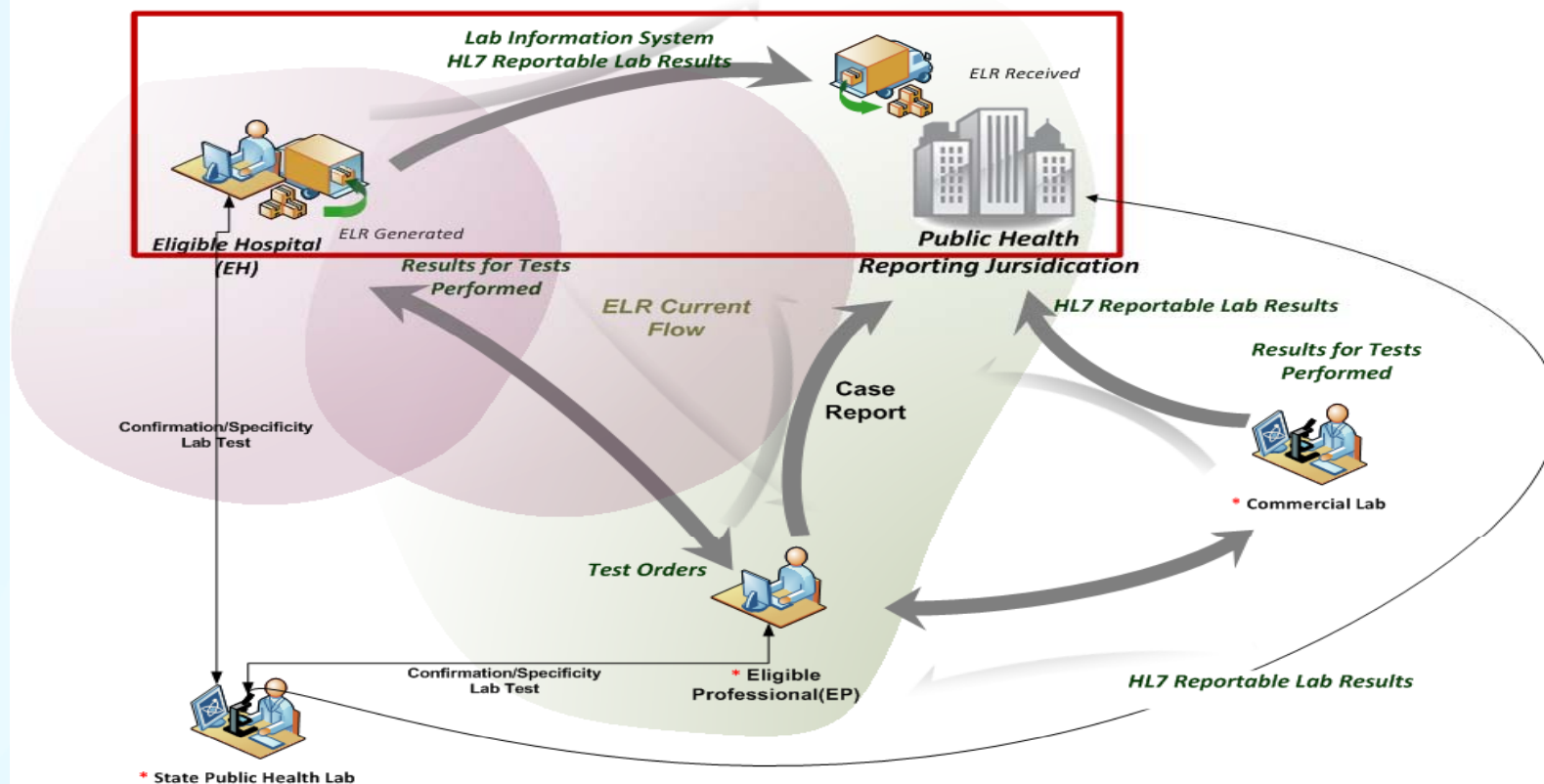
REPORTABLE LAB RESULTS IN MU : SPECIFICS

MU Reportable Lab Results

- ❑ **Reportable Lab Results, in meaningful use, refers to the electronic reporting of specified laboratory test results to public health officials by eligible hospitals in accordance with applicable law (state/local) and practice as per the standards and specifications of the Final Rule for MU Stage I.**

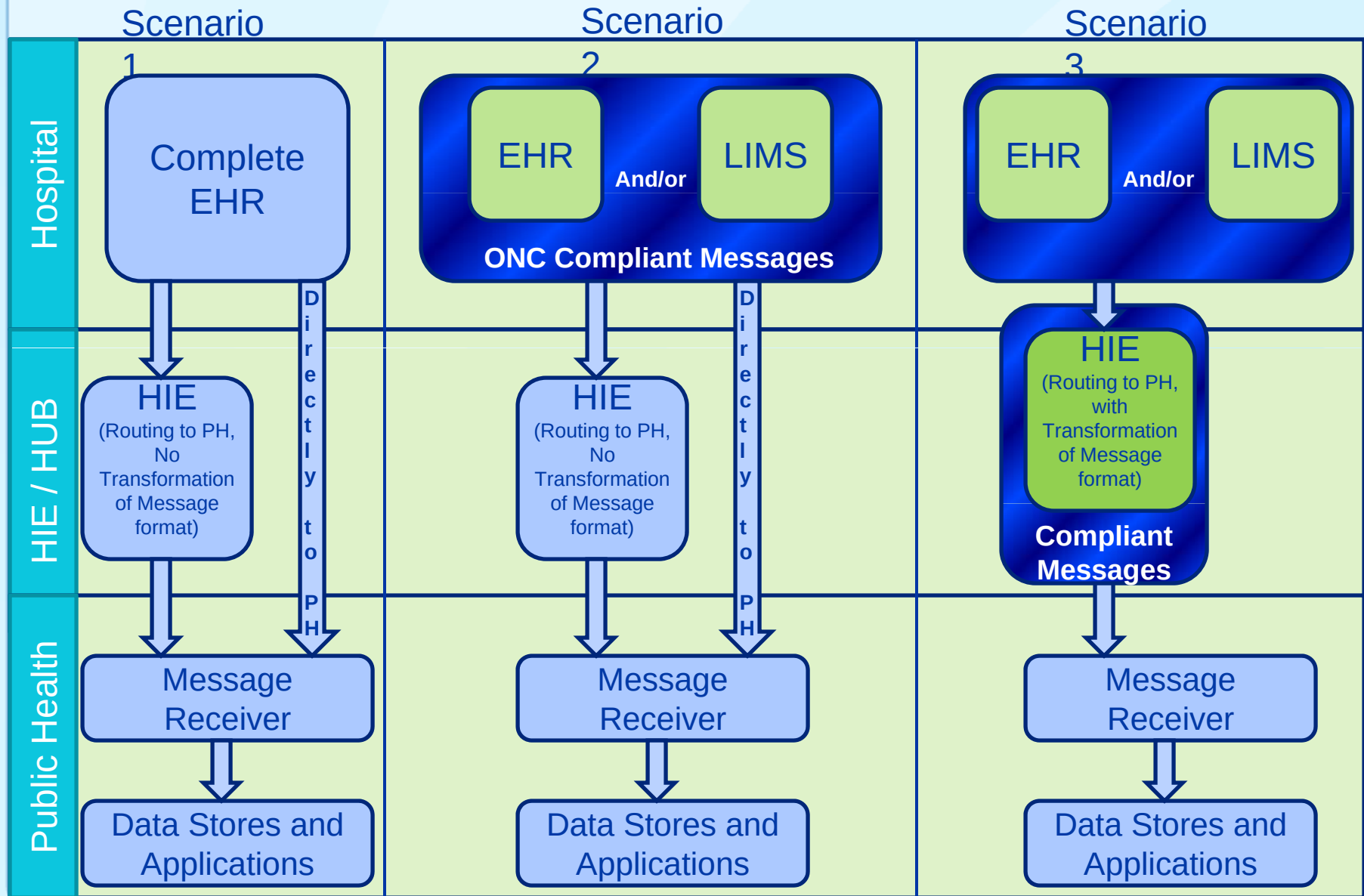
MU Stage 1 Reportable Lab Results Flow

Stage 1 Meaningful Use ELR Objective



* **Meaningful Use does not apply to entities outside the red box.**
Created by Sanjeev Tandon & Kevin Stevens, Division of Informatics Practice, Policy & Coordination (DIPPC)/PHITPO/OSELS/CDC

PH Receiving Scenarios



Eligible hospitals or HIE must certify all modules, since EHR is not performing all the MU functions

Standards and Specifications for Reportable Lab Results

□ Section 170.205(c):

- Electronic submission of lab results to public health agencies. Standard. HL7 2.5.1 (incorporated by reference in § 170.299).
- Implementation specifications. HL7 Version 2.5.1
- Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 (US Realm) (incorporated by reference in § 170.299).

HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health can be purchased from here: <https://www.hl7.org/store/index.cfm?ref=nav>

On-Boarding Terminology

Certification

Electronic health records (EHRs) and modules go through the certification process to ensure they meet meaningful use objectives & specified standards

Pre-Testing

Eligible hospitals (EH) and eligible professionals (EP) determine whether their message passes basic format and content compliance

Testing

EH/EP exchange messages with public health agency (PHA) to ensure they contain the correct format and values as determined by the PHA

Attestation

EH/EP need documentation that they have performed a test

In Queue

Follows successful testing

Validation

Public health evaluation of new electronic data

Production

EH/EP continuously send information to the PHA. Data flows are monitored for quality assurance

Hospital Certification for MU Stage I

Certification

- Process that electronic health records (EHRs) and modules go through to ensure they meet meaningful use objectives and specified standards.
- Standards for testing are published by National Institute of Standards and Technology (NIST).
- Certification process is performed by the Authorized Testing and Certification Bodies (ATCB).

Reportable Lab Results : Testing Resource for Hospitals

**National Institute for Standards Testing (NIST) -Test
Procedure for Reportable Lab Results**

**Describes test procedure for evaluating conformance
of complete EHRs or EHR modules**

**[http://healthcare.nist.gov/docs/170.306.g_Reportable
Lab Results](http://healthcare.nist.gov/docs/170.306.g_Reportable_Lab_Results)**

Testing Resources for Public Health

Two public health message validations tools are available from CDC:

- A national-level tool: Message Quality Framework (MQF).
- A state-level tool: Message Subscription Service (MSS).
- Other non-CDC public health testing tools are available such as Rhapsody and Message Workbench.

Automated testing tools ensure messages are adhering to standards defined in the messaging guides by:

- validating the structure of the message
- validating that the messages are following the business rules defined for the message
- verifying that the vocabulary defined for the message is utilized.

FREQUENTLY ASKED QUESTIONS (FAQs)

Why did HL7 V2.5.1 get selected as the standard for reportable lab results?

- **HL7 2.5.1 requires the use of LOINC standards and also includes a number of enhancements:**
 - Addition of the specimen segment in HL7 V2.5.1
 - Features to address issues about laboratory reporting and CLIA compliance (performing organization name & address, medical director).

Is the use of SNOMED mandated in Stage I of MU for Implementation of Reportable Lab Results?

- **2.5.1. ELR Implementation Guide specifies a number of vocabulary standards to be followed which includes SNOMED.**

Can a hospital send reportable lab results messages from their LIS and qualify for MU?

- ❑ **Yes, if the LIS is a certified module in as part of the hospital's EHR solution, the LIS can help it qualify for MU.**
- ❑ **ONC has a website that displays which EHRs and LIS modules are certified for Meaningful Use**
 - <http://onc-chpl.force.com/ehrcert>

Does each jurisdiction need to have an implementation plan for ELR MU?

- ❑ There isn't a requirement for a public health agency to have an implementation plan, though it would be a good idea.**
- ❑ Public health agencies are being contacted by EH and EP who are looking to send data to public health.**
- ❑ Jurisdictions should consider how they will deal with healthcare providers and how they will work with their state Medicaid agencies.**

What HITECH funding is available to support ELR MU?

- **Infrastructure and Interoperability Support for Public Health Laboratories**
 - Supports 10 Epi and Lab Capacity (ELC) grantees
- **Electronic Laboratory Reporting Technical Assistance (ELR TA)**
- **Laboratory Technical Implementation Assistance for Public Health (LTIAPH)**
- **Laboratory Interoperability Cooperative (LIC)**
- **Laboratory Interoperability and Enterprise Architecture Solutions**

Slide 26

J1

We might just want to get rid of this one all together. I don't know if any information is actionable.

Jim, 10/24/2011

Resources

❑ www.cdc.gov/ehrmeaningfuluse

CDC Home
CDC Centers for Disease Control and Prevention
Your Online Source for Credible Health Information

SEARCH

A-Z Index: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z #

Meaningful Use

About Meaningful Use
The American Reinvestment & Recovery Act (ARRA) was enacted on February 17, 2009. ARRA includes many measures to modernize our nation's infrastructure, one of which is the "Health Information Technology for Economic and Clinical Health (HITECH) Act". The HITECH Act supports the concept of Electronic Health Records
[More »](#)

Meaningful Use Topics

- Frequently Asked Questions**
Basic Questions on CDC's Role, How CDC is Collaborating, Other FAQ Resources, ...
- Fact Sheets**
What CDC is doing, How Electronic Health Records will Impact Public Health ...
- Join the Meaningful Use**
- External Links**
Links to ONC and CMS Websites, Partner Websites, ...
- Training Modules**
Orientation to Meaningful Use, HL7, other Standards...
- Resources**
Final Rule Documents, Guidance on Vocabulary and

In the Spotlight

- 5/11/2011 10am - 3pm
ONC HIT Health IT Policy Committee
- 5/18/2011 9am - 3pm
ONC HIT Health IT Standards Committee
- 6/8/2011 10am - 3pm
ONC HIT Health IT Policy Committee
- 6/22/2011 9am - 3pm
ONC HIT Health IT Standards Committee
- 7/6/2011 10am - 3pm
ONC HIT Health IT Policy Committee

Contact Us:

Public Health Informatics and Technology Program Office
2500 Century Parkway
Mailstop E-78
Atlanta, GA 30333, USA
800-CDC-INFO
(800-232-4636)
TTY: (888) 232-6348
24 Hours/Every Day
meaningfuluse@cdc.gov

Trusted sites

Resources

- ❑ Get information, FAQs, tip sheets and more at CMS' s official website for the EHR incentive programs:
 - www.cms.gov/EHRIncentivePrograms

Home | Medicare | Medicaid | CHIP | About CMS | Regulations & Guidance | Research, Statistics, Data

People with Medicare & Medicaid | Questions | Careers | Newsroom | Contact CMS | Acro

[CMS Home](#) > [Regulations and Guidance](#) > [EHR Incentive Programs](#) > Overview

EHR Incentive Programs

Overview

- » Overview
 - » Path to Payment
 - » Eligibility
 - » Registration
 - » Certified EHR Technology
 - » CMS EHR Meaningful Use Overview
 - » Attestation
 - » Medicare and Medicaid EHR Incentive Program Basics
 - » Medicaid State Information
 - » Medicare Advantage
 - » Spotlight and Upcoming Events
 - » Educational Materials
 - » EHR Incentive Program Regulations and Notices
 - » CMS EHR Incentive Programs Listserv



The Official Web Site for the Medicare and Medicaid Electronic

The Medicare and Medicaid EHR Incentive Programs will provide incentives to critical access hospitals (CAHs) as they adopt, implement, upgrade or

[Registration for the Medicare and Medicaid EHR Incentive Program is payments!](#)

Attestation for the Medicare EHR Incentive Program is now open. Vis

Resources

- ❑ Learn about certification and certified EHRs, as well as other ONC programs designed to support providers as they make the transition:
<http://healthit.hhs.gov>

