

The HITECH Act and Meaningful Use – Implications for Population and Public Health

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Meaningful Use for Public Health Professionals: Basic Training

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Disclaimer

- ❑ **The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.**

Your Challenge During This Session: Create a Game

- ❑ The end of this session will include a brief review game.
- ❑ You are a member of the “Clue Crew.”
- ❑ As you are taking notes, try to identify a multiple choice question.
 - Three choices for answer (A, B, C)
 - Write it on an index card.



Session Overview

Overview of
the HITECH Act

Overview of the
Meaningful Use
Program

Implications for
population
health and public
health

OVERVIEW OF THE HITECH ACT

HITECH

HHealth

IInformation

TTechnology for

EEconomic and

CClinical

HHealth Act of 2009

HITECH Vision

Goal: To improve the health of Americans and the performance of the nation's health system through health information technology (HIT)

An important component of health reform

Way to harness the full potential of digital technology

HITECH Goals

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

Steps in Promoting the National Health IT Agenda



Establish standards, technology services, and trust to support interoperability

- Develop nationwide standards for information exchange
- Support research and development of new technology
- Provide guidance in nationwide health IT standards and agreements



Stimulate adoption of interoperable electronic health records

- Provide financial incentives
- Make sure all certified records systems have the capability to exchange information among disparate systems

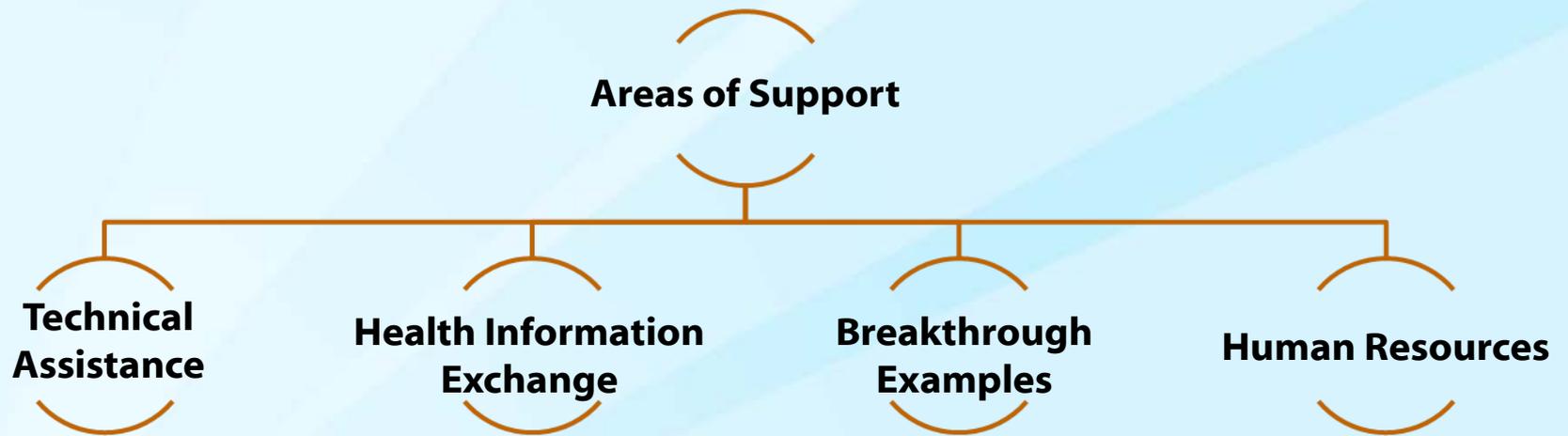


Promote the meaningful use of EHRs to improve quality and efficiency

- Assist eligible professionals during selection and implementation
- Stimulate information exchange resources within and across
- Showcase community and national models

Office of the National Coordinator for Health Information Technology (ONC)

Programs Designed to Support Achievement of Meaningful Use



ONC Programs Designed to Support Achievement of Meaningful Use



Technical Assistance

The graphic consists of the text 'Technical Assistance' centered between two purple curved lines that form a partial circle. An orange line extends from the top right of the graphic towards the top right corner of the slide.

Regional Extension Center Program:

- ONC funded 70 regional extension centers that will help providers with EHR vendor selection, implementation and workflow redesign

ONC Programs Designed to Support Achievement of Meaningful Use



State Health Information Exchange (HIE) Program:

- Funding and technical assistance to states to support eligible professionals in achieving HIE requirements
- Nationwide Health Information Network Activities
- Expanded definitions, specifications and sample implementations to support exchange to achieve meaningful use

ONC Programs Designed to Support Achievement of Meaningful Use



Breakthrough Examples

Beacon Communities Program

- Demonstration communities involving clinicians, hospitals and consumers
- Showing how EHRs can achieve breakthrough improvements in health care

Strategic Health IT Advanced Research Projects (SHARP)

- Research focused
- Addresses problems that have impeded adoption

ONC Programs Designed to Support Achievement of Meaningful Use

Human
Resources



Workforce Training Programs

- Several distinct programs that are supporting the education of up to 45,000 new health IT workers to support implementation

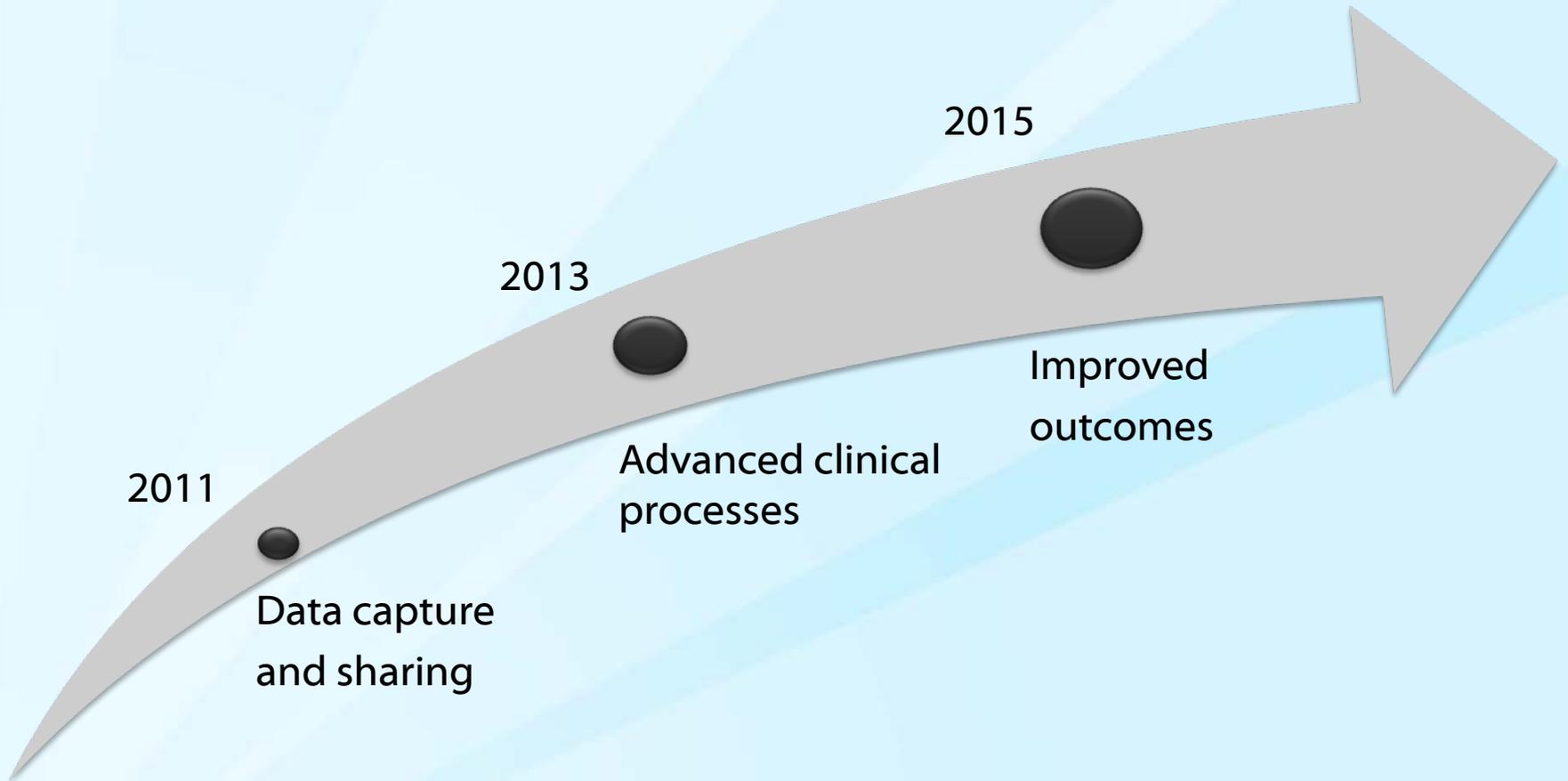
THE MEDICARE AND MEDICAID EHR INCENTIVE PROGRAMS



What is Meaningful Use?

- ❑ **Meaningful use is using certified EHR technology to:**
 - ✓ Improve quality, safety, efficiency, and reduce health disparities
 - ✓ Engage patients and families in their health care
 - ✓ Improve care coordination
 - ✓ Improve population and public health
- ...all the while maintaining privacy and security.

A Conceptual Approach to Meaningful Use



Medicare-Medicaid EHR Incentive Programs

- ❑ **\$44.7 billion estimated incentive payments**
- ❑ **Eligible providers and hospitals must demonstrate being meaningful users of EHR to receive payments**
- ❑ **Focus on clinician behavior to improve care**
- ❑ **A “meaningful user” must:**
 - ✓ Use a certified EHR product
 - ✓ Meet core objectives and at least 5 “menu” objectives
 - ✓ At least one “menu” objective must address public health
 - ✓ Report quality measures
- Current rules define requirements for stage 1 of 3 stages
- Voluntary programs

What are the Requirements of Stage 1?

❑ **Eligible Professionals must complete:**

- 15 core objectives
 - 6 total Clinical Quality Measures (CQM)
(3 core or alternate core, and 3/38 from menu set)
- 5 objectives out of 10 from menu set
 - 1 must be public health

❑ **Hospitals must complete:**

- 14 core objectives
 - 15 CQM
- 5 objectives out of 10 from menu set

Examples of Core Objectives

Computerize Physician Order Entry (CPOE)

Provide electronic copy of patient's health information, upon request

Record demographics

Maintain active medication list

Record smoking status for patients 13 years or older

Exchange key clinical information among

Check drug-drug and drug-allergy interaction

E-Prescribing (eRx)

Provide clinical summaries for patients for each office visit

Examples of Menu Objectives

Incorporate clinical lab test results as structured data

Generate lists of patients by specific conditions

Summarize care record for each transition of care/referral

Send reminders to patients per patient preference for preventive/follow up care

**Submit electronic data to immunization registries
*(eligible professionals and hospitals)***

**Provide electronic syndromic surveillance data to public health agencies
*(eligible professionals and hospitals)***

**Provide electronic submission of reportable lab results to public health agencies
*(hospitals only)***

MU: Stage 1 Menu Set Objectives

Health Outcomes Policy Priority	Stage 1 Objective	Stage 1 Measure
Improve population and public health ¹	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 the 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, eligible hospital or CAH submits such information have the capacity to receive such information electronically)
	Hospitals Only: 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 EP, eligible hospital or CAH submits such information have the capacity to receive such 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 the EP, eligible hospital or CAH submits such information have the capacity to receive such information electronically)

¹Unless an EP, eligible hospital or CAH has an exception for all of these objectives and measures they must complete at least one as part of their demonstration of the menu set in order to be a meaningful EHR user.

Three Steps to Meaningful Use

Acquire...

- a certified EHR system or module

Use ...

- the system as rules require

Attest ...

- the data was submitted as rules require

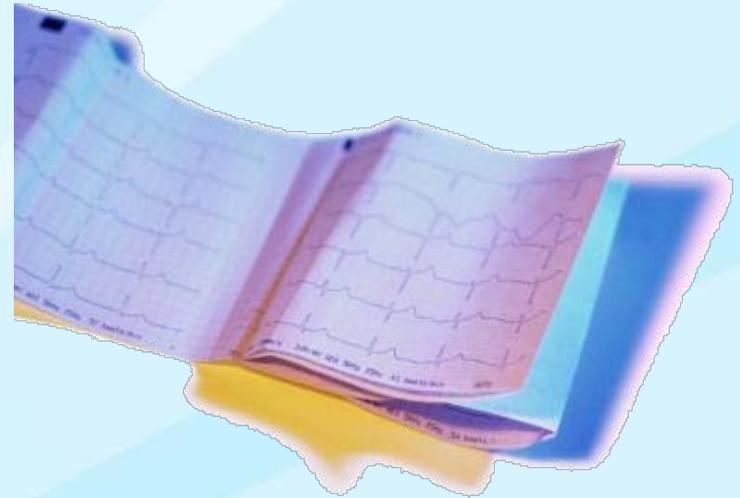
For Public Health

- ✓ Decide which of the 3 objectives will be part of the program
- ✓ Publish any additional test file specifications
- ✓ Verify successful test submission

What are the Reporting Requirements of Stage 1?

□ Stage 1 Meaningful Use:

- Reporting period :
 - 90 days for first year
 - One year for second year
- Reporting through attestation
- MU measures
 - Clinical Quality Measures
- Reporting may be yes/no or numerator/denominator attestation
- Certain objectives: 80% of patients must have records in the certified EHR technology



Meaningful Use: Clinical Quality Measures

Eligible Professionals– Core Set CQMs

NQF* Measure # & PQRI** Implementation #	Clinical Quality Measure Title
NQF 0013	Hypertension: Blood Pressure Measurement
NQF 0028	Preventive Care and Screening Measure Pair: a. Tobacco Use Assessment b. Tobacco Cessation Intervention
NQF 0421 PQRI 128	Adult Weight Screening and Follow-up

* National Quality Forum

** Physician Quality Reporting Initiative



Adopt/Implement/Upgrade for Medicaid EHR Incentives

- ❑ Only for first participation year**
- ❑ Adopted – demonstration of a financial and/or legal commitment to certified EHR technology**
- ❑ Implemented – e.g., staff training, data entry of patient demographic information into EHR**
- ❑ Upgraded – demonstration of a financial or legal commitment to the new MU certified release**
- ❑ Must be certified EHR technology capable of meeting all of the meaningful use objectives**
- ❑ No EHR reporting period**



States' Flexibility to Revise Meaningful Use

- **States can seek CMS prior approval to move up to 4 public health related objectives to the core set for their Medicaid providers:**
 - Generate lists of patients by specific conditions for quality improvement, reduction of disparities, research, or outreach (can specify particular conditions)
 - Reporting to immunization registries
 - Reportable lab results
 - Syndromic surveillance (can specify for their providers how to test the data submission and to which specific destination)
- **As of 4/25/2011, no states had made this request**

Stages 2 and 3

- ❑ **Stage 2 recommendations being developed now**
- ❑ **Builds on Stage 1**
- ❑ **Lays foundation for Stage 3**

Data elements: Include data of public health interest in EHRs for current and future use

Reporting objectives: Have to be of high value and feasibility

Quality measures: What are the most meaningful population health metrics?

Certifying EHR Systems



Goal: Standardize what EHR systems must do to achieve Meaningful Use requirements



Includes functional and interoperability requirements



Companion rules to meaningful use



A marketplace game-changer



Helps create greater consistency across products for public health to work with

RELEVANCE OF HITECH AND MEANINGFUL USE FOR PUBLIC HEALTH

Implications for Population Health

A large, light blue, upward-pointing arrow with a subtle gradient and a drop shadow, pointing towards the title.

Increased focus
on establishing
population
health
priorities/
indicators

A large, light blue, upward-pointing arrow with a subtle gradient and a drop shadow, pointing towards the title.

Increased focus
on improving
and
maintaining
health status in
individual
communities

Implications for Public Health (1 of 2)

- ❑ **Unprecedented opportunity/challenge to partner on HIE and population health improvement**
 - Public health agencies not the only intermediary of population health data
 - Medicaid program a critical partner



Implications for Public Health (2 of 2)

- ❑ **Increased expectations for HIE capabilities**
 - Upgrading information systems to be more standards-based
 - Upgrading servers and bandwidth may be necessary
 - Training the workforce in standards-based/HL7 information exchange
 - Greater need for agency-wide/enterprise architecture for HIE
- ❑ **Data quality takes on new urgency**
- ❑ **Adequate staffing to handle influx of (new) reporting practices and volume of data**

Opportunities

- ❑ **Opportunity to transform –learning systems partnering together**
- ❑ **Operate as an industry; greater standardization across jurisdictions and information systems**
- ❑ **Align federal funding and initiatives with HITECH priorities**

Working With Stakeholders

- ❑ **Don't assume public health reporting will occur as in the past**
- ❑ **Develop assessment and validation criteria for public health information systems**
- ❑ **Develop organizational capacity and workforce competencies**

Resources

- [Http://www.cdc.gov/ehrmeaningfuluse](http://www.cdc.gov/ehrmeaningfuluse)

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

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, ...
- External Links**
Links to ONC and CMS Websites, Partner Websites, ...
- Fact Sheets**
What CDC is doing, How Electronic Health Records will Impact Public Health ...
- 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 [»](#)

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24 Hours/Every Day
meaningfuluse@cdc.gov

Text size: S M L XL
Email page
Print page
Bookmark and share
Get email updates
Subscribe to RSS
Listen to audio/Podcast

Trusted sites

Resources

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

Resources

- ❑ Follow the latest information about the EHR incentive programs on Twitter at: <http://www.Twitter.com/CMSGov>



The image shows a screenshot of the CMSGov Twitter profile page. The profile name is CMSGov (@CMSGov), located in Baltimore, Maryland. The bio states: "Official Twitter account for the Centers for Medicare & Medicaid Services (CMS) responsible for all Medicare, Medicaid and CHIP info." and includes the website <http://www.cms.hhs.gov>. The page shows a "Follow" button and a text follow option: "Text follow CMSGov to 40404 in the United States". The timeline displays three tweets from CMSGov, each with a CMS logo. The first tweet is about a revised fact sheet for #MLN's "federally qualified health center" (#FQHC), with a link to <http://go.usa.gov/2tl>. The second tweet is about a fact sheet for #MLN's "home health prospective payment system", with a link to <http://go.usa.gov/Tol>. The third tweet is a promotion to join 11,000+ health care professionals on Medscape for a PSA on the #Medicare & #Medicaid #EHR Incentive Program, with a link to <http://tinyurl.com/4rr2cgs>. On the left side of the profile, there is a vertical banner with the CMS logo and the text "CENTERS for MEDICARE & MEDICAID SERVICES". Below the banner are social media links for YouTube (youtube.com/cmshsgov) and LinkedIn.

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>

The screenshot shows the homepage of the Office of the National Coordinator for Health Information Technology (ONC). The header includes the U.S. Department of Health & Human Services logo and the ONC name. A navigation menu on the left lists various topics such as HITECH & Funding Opportunities, HITECH Programs, and Federal Advisory Committees. The main content area features a central graphic with a 'Login' button and text about privacy and security regulations. To the right, there is a 'Feature' section titled 'New National Coordinator Announced' with a photo of Secretary Kathleen Sebelius and Dr. Farzad Mostashari. At the bottom, there are sections for 'Why Health IT?' and 'What's New', with a link to the 'Federal Health IT Strategic Plan Open for Public Comment'.

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Write your question on the card—legibly, please—then turn it in.



