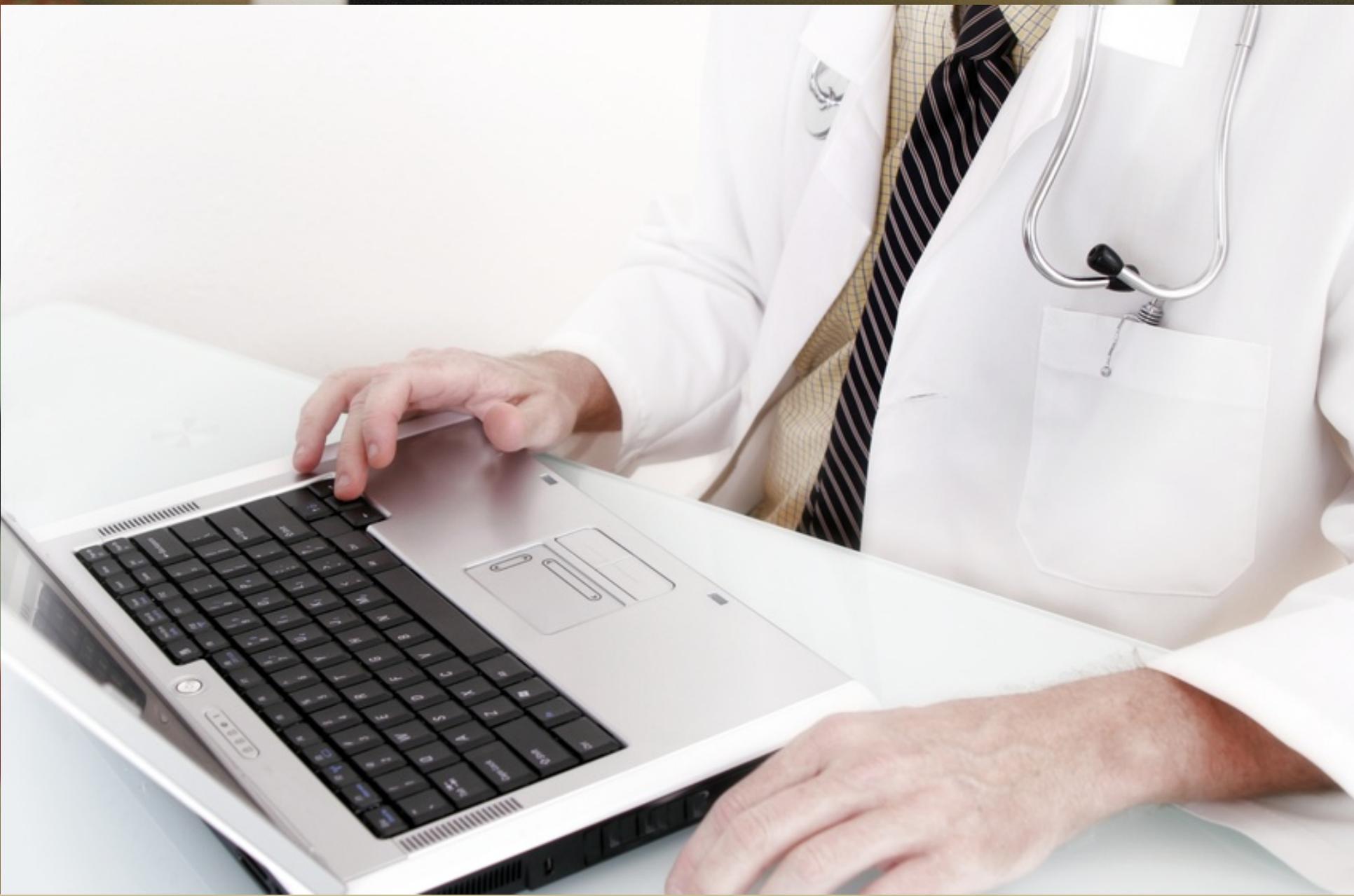


Meaningful Use & Public Health

Sara Imholte
Electronic Disease Surveillance Program
Arizona Department of Health Services
July 24th, 2013

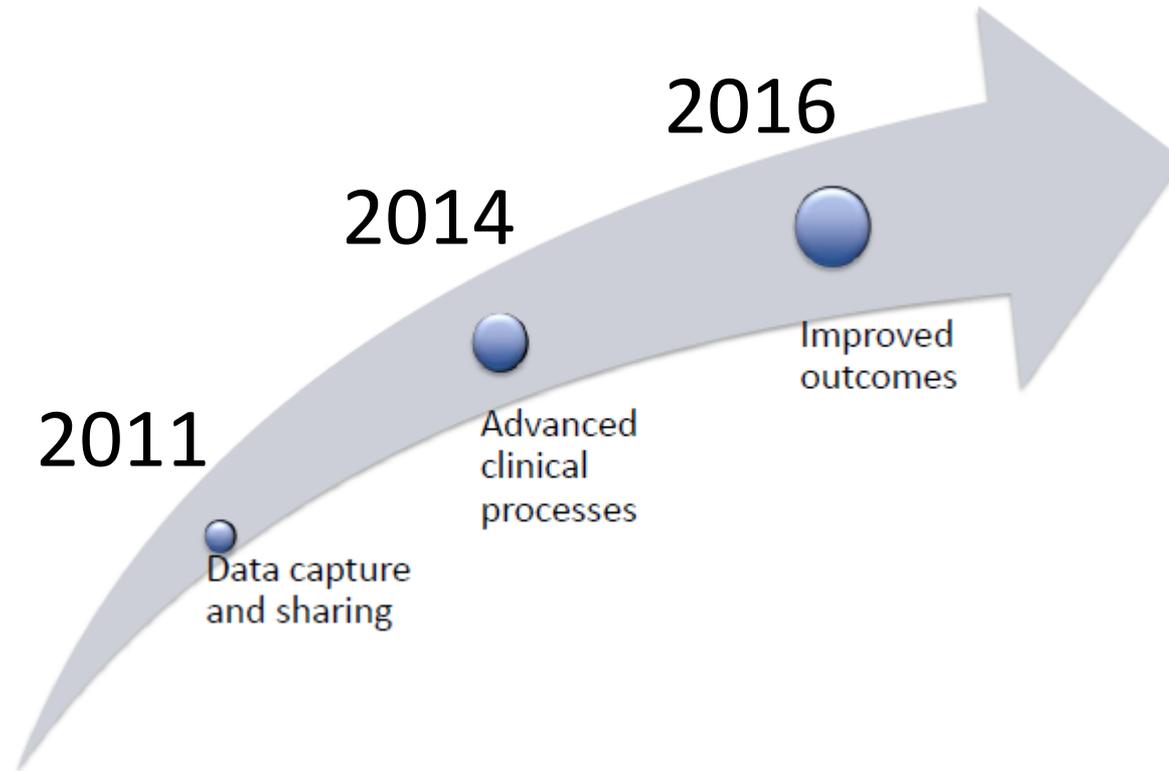


Quick Meaningful Use Overview

- National Electronic Health Record (EHR) incentive program
- Primary agencies:
 - Centers for Medicare and Medicaid Services (CMS)
 - Office of the National Coordinator for Health Information Technology (ONC)
- Organized into 2 incentive programs:
 - Medicare
 - Medicaid

- Eligible Hospitals (EH), Critical Access Hospitals (CAH) and Eligible Professionals (EP) are required to adopt Certified Electronic Health Record Technology (CEHRT)
- In order to demonstrate *Meaningful Use* of the CEHRT, health care providers must meet certain objectives in three progressive stages

Three Progressive Stages



Stage of Meaningful Use

1st Year	Stage of Meaningful Use										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	1	1	1	2	2	3	3	TBD	TBD	TBD	TBD
2012		1	1	2	2	3	3	TBD	TBD	TBD	TBD
2013			1	1	2	2	3	3	TBD	TBD	TBD
2014				1	1	2	2	3	3	TBD	TBD
2015					1	1	2	2	3	3	TBD
2016						1	1	2	2	3	3
2017							1	1	2	2	3

Legislation and Rules

- American Recovery and Reinvestment Act of 2009 ([ARRA](#))
 - includes the Health Information Technology for Economic and Clinical Health (HITECH) Act
- **Stage 1**
 - [CMS](#): 2010 - Medicare and Medicaid Programs; Electronic Health Record Incentive Program; Final Rule
 - [ONC](#): 2010 - Health Information Technology: Initial Set of Standards, Implementation Specifications, and Certification Criteria for Electronic Health Record Technology; Final Rule

Rules continued

- **Stage 2**
 - [CMS](#): 2012 – Medicare and Medicaid Programs; Electronic Health Record Incentive Program—Stage 2; Health Information Technology: Standards, Implementation Specifications, and Certification Criteria for Electronic Health Record Technology, 2014 Edition; Revisions to the Permanent Certification Program for Health Information Technology; Final Rules
 - [ONC](#): 2012 – Health Information Technology: Standards, Implementation Specifications, and Certification Criteria for Electronic Health Record Technology, 2014 Edition; Revisions to the Permanent Certification Program for Health Information Technology; Final Rules

Objectives and Measures

- **Objectives** are broad policy goals that CMS hopes to achieve through MU – such as Electronic Laboratory Reporting to Public Health
- **Measures** are the actual criteria that the Providers will have to meet to realize that objective

Stage 2

Eligible Hospital and Critical Access Hospital Meaningful Use Core Measures

Measure 14 of 16

Date issued: October, 2012

Electronic Reportable Laboratory Results

Objective

Capability to submit electronic reportable laboratory results to public health agencies, where except where prohibited, and in accordance with applicable law and practice.

Measure

Successful ongoing submission of electronic reportable laboratory results from Certified EHR Technology to a public health agency for the entire EHR reporting period.

Exclusion

Any eligible hospital or CAH that meets one or more of the following criteria:

(A) Operates in a jurisdiction for which no public health agency is capable of receiving electronic reportable laboratory results in the specific standards required for Certified EHR Technology at the start of their EHR reporting period.

(B) Operates in a jurisdiction for which no public health agency provides information timely on capability to receive electronic reportable laboratory results.

(C) Operates in a jurisdiction for which no public health agency that is capable of accepting the specific standards required by Certified EHR Technology at the start of their EHR reporting period can enroll additional eligible hospitals or CAHs.

Number of MU Objectives

	Stage 1	Stage 2
Eligible Hospitals (EH, CAH)		
Core	14	16
Menu	5 of 10	3 of 6
Eligible Professionals (EP)		
Core	15	17
Menu	5 of 10	3 of 6

Stage 1 Objectives

1. Computer provider order entry (CPOE) for medication orders.
2. Implement drug-drug and drug-allergy interaction.
3. Maintain up-to-date problem list of current and active diagnoses.
4. Generate and transmit permissible prescriptions electronically.
5. Maintain active medication list
6. Maintain active medication Allergy list
7. Record patient demographics.
8. Record vital signs and chart changes (height, weight, blood pressure, body-mass index, growth charts for children).
9. Record smoking status for patients 13 years of age or older.
10. Report clinical quality measures to CMS or states.
11. Implement one clinical decision support rule and ability to track compliance with the rule.
12. On request, provide patients with an electronic copy of their health information.
13. Provide patients with clinical summaries for each office visit.
14. Implement capability to electronically exchange key clinical information among providers and patient-authorized entities.
15. Conduct Risk Assessment to protect privacy and security of patient data in the EHR.



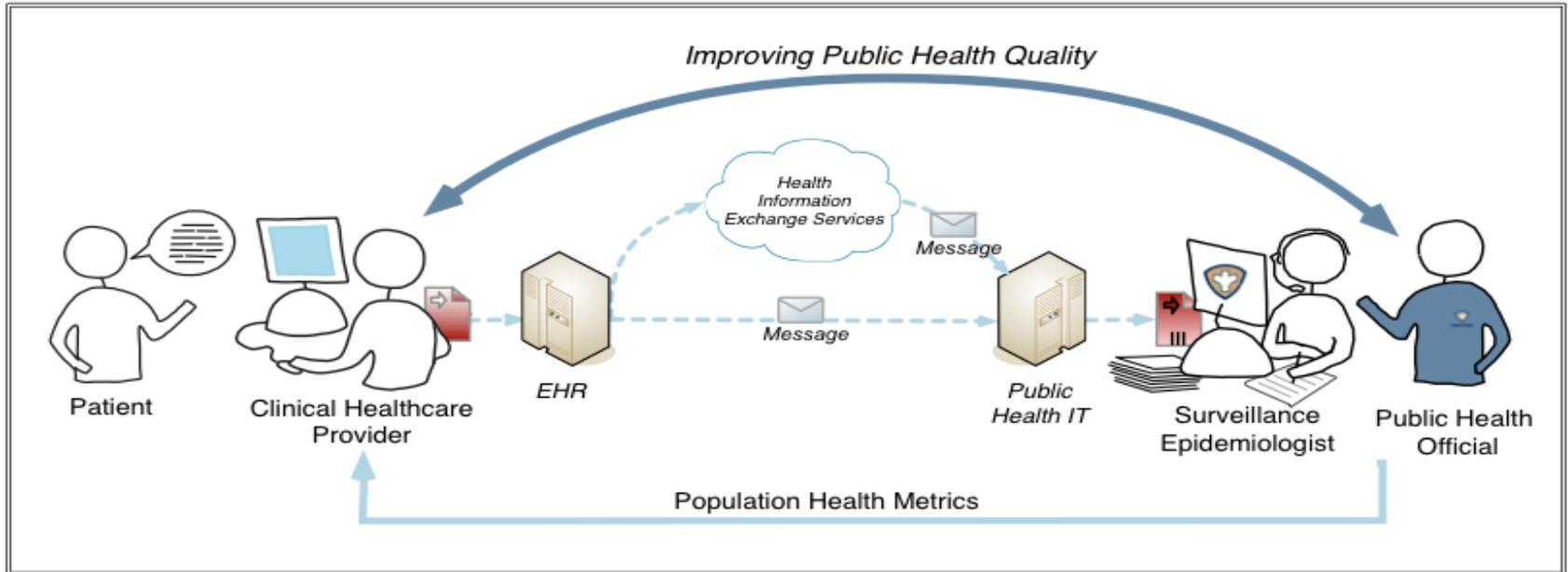
Public Health Objectives – Stage 1 MU

	Electronic Laboratory Reporting (ELR)	Immunization Registry (ASIS)	Syndromic Surveillance (BioSense)
Objective for:	EH, CAH	EH, CAH, EP	EH, CAH, EP
Required or Menu?	Menu*	Menu*	Menu*
	*must choose one of the 2/3 PH objectives		
ADHS Status	Currently Accepting	Currently Accepting	Planning to accept from hospitals first (Summer 2013)
Standards	HL7 2.5.1	HL7 2.3.1 or <u>2.5.1</u>	HL7 2.3.1 or <u>2.5.1</u>
MU HL7 Implementation Guide?	Yes	Yes	Not specified (but there is one in use)
Message Vocabulary	LOINC (SNOMED)	CVX	None cited

Public Health Objectives – Stage 2 MU

	Electronic Laboratory Reporting	Immunization Registry (ASIIS)	Syndromic Surveillance (BioSense)	Cancer Registry	Specialized Registry
Required or Menu?	Required EH, CAH	Required EH, CAH, EP	Required EH/CAH, Menu EP*	Menu EP*	Menu EP*
			*EPs must choose 3 of 6 menu objectives		
ADHS Status	Currently Accepting	Currently Accepting	Hospitals first (Summer 2013)	Plan to be ready to accept	?
Standards	HL7 2.5.1	HL7 2.3.1 or <u>2.5.1</u>	HL7 2.3.1 or <u>2.5.1</u>	CDA	?
IG?	Yes	Yes	Yes	Yes	No
Vocab	LOINC, SNOMED	CVX		SNOMED	

Why do we need Meaningful Use?



Meaningful Use provides an opportunity to create better integration between public health and health care

Electronic Laboratory Reporting (ELR)

What is ELR?

- Labs are required to report a set of test results to ADHS (A.A.C. R9-6-204)
- Electronic reports are integrated into the state electronic disease surveillance systems
- ELR shortens the time for reporting and initiation of infectious disease control measures



ELR: Current Status

- ADHS is currently accepting ELR submissions from hospitals for MU
- 25 hospitals have tested (3 in production)
- Onboarding additional laboratories based on readiness and following steps outlined at www.azdhs.gov/meaningful-use
- 3 largest commercial labs are also sending ELR

Syndromic Surveillance

What is Syndromic Surveillance?

- Public Health receives reports of symptoms or diagnoses for all patient visits (ADT messages)
- This information can be used to identify outbreaks or health events and monitor the health status of a community
- Syndromic surveillance is fast – Public Health can see what's happening in a community before the patients have a confirmed diagnosis or laboratory results

Syndromic Surveillance: Current Status/Future Plans

- Plan to start accepting submissions from hospitals in late Summer 2013
- Work to get CDC's BioSense 2.0 up and running as the MU Syndromic Surveillance system in AZ
- Create AZ implementation guide, user manual, training documents.
- Will require a Data Use Agreement (DUA) between Local Public Health Jurisdictions and ADHS
- Reporting will require a DUA between healthcare facilities and ADHS

Immunization Registry (ASIIS)

What is ASIIS?

- The Arizona State Immunization Information System (ASIIS) is the state's immunization registry
- Providers are required to report all immunizations administered to ≤ 18 y.o. under ARS 36-135
- Pharmacists are required to report any immunizations administered regardless of patient age under ARS 32-1974
- Enables providers to access a complete immunization record for each child they treat regardless of where immunizations may have been received

ASIIS: Current Status

- ASIIS currently accepting submissions for MU
- Over 400 providers have tested (140 in production)
- Standard protocols and guidelines for testing distributed after receipt of initial interest form
– available through
www.azdhs.gov/meaningful-use

Cancer Registry



Health and Wellness for all Arizonans

azdhs.gov



Cancer Registry

- Hospitals, pathology labs, clinics, and physicians are required to report cancer cases under ARS 36-133
- Meaningful Use targets eligible ambulatory setting only (e.g. physician offices)

Cancer Registry: Current Status

- The registry is currently in the Assessment and Planning Phase
- National target dates for cancer registry:
 - Declaration/Registration of Intent (e.g. share tentative plan, collect information from providers) – start date October 2013
 - On-boarding (invitation, testing, and production, acknowledgement) – start date January 2014

Specialized Registries

Specialized Registries

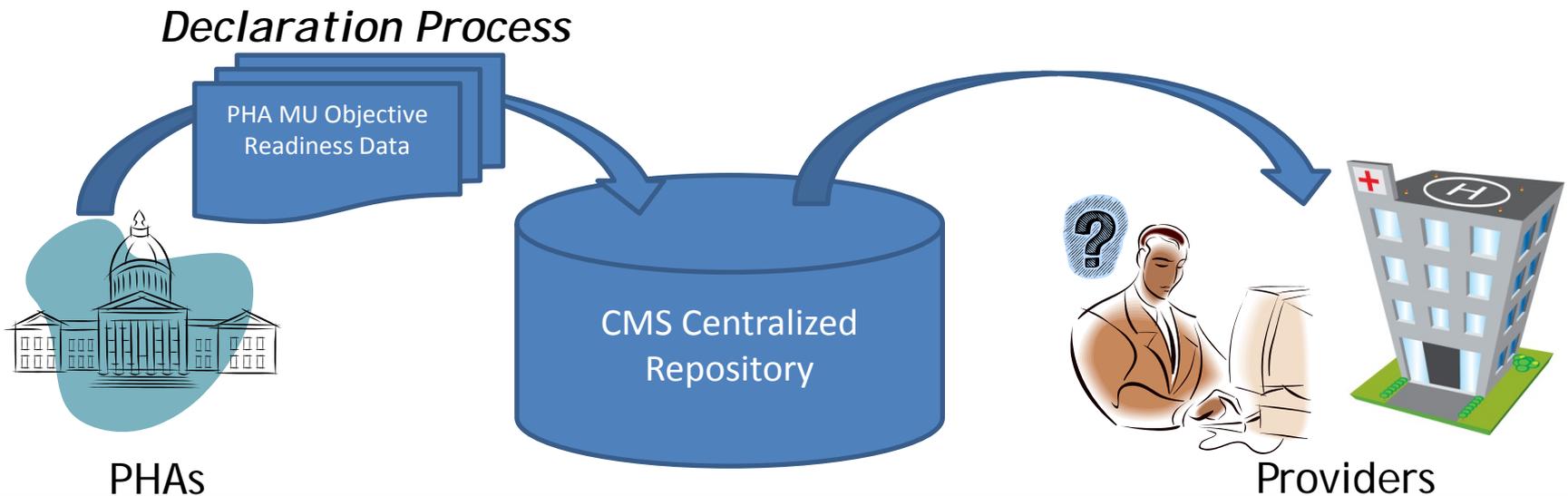
... still in a planning phase



PH Declaration of Capacity (Centralized CMS Repository)

A Public Health Agency formally declares its capacity to CMS to receive Stage 2 data and on-board the EP/EH/CAH. CMS then uses that information in an on-line, centralized repository available to any EP/EH/CAH.

A “one-stop shop” of information on public health reporting objectives



Registration of Intent to Submit to PH

- Stage 2 requires Provider registration with ADHS of intent to initiate ongoing submission was made by the deadline (within 60 days of the start of the EHR reporting period)
- ADHS is creating an online registration system
- At this time, email meaningfuluse@azdhs.gov to register

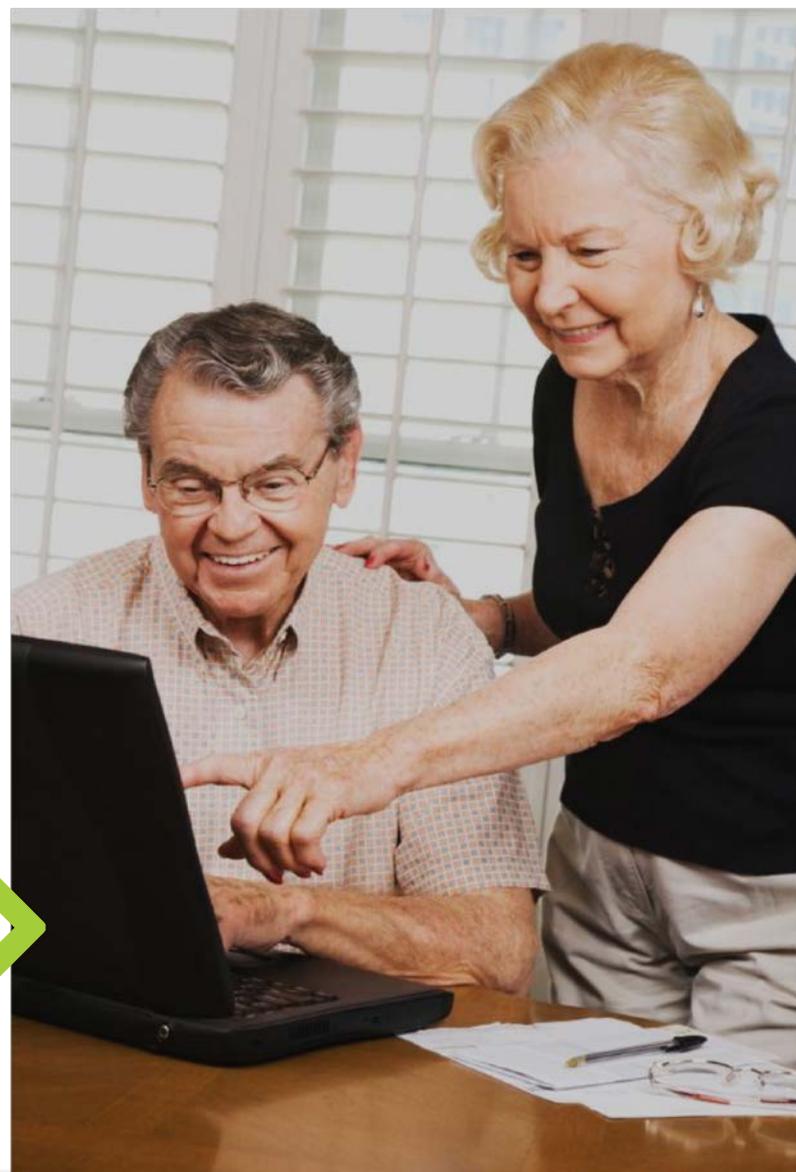
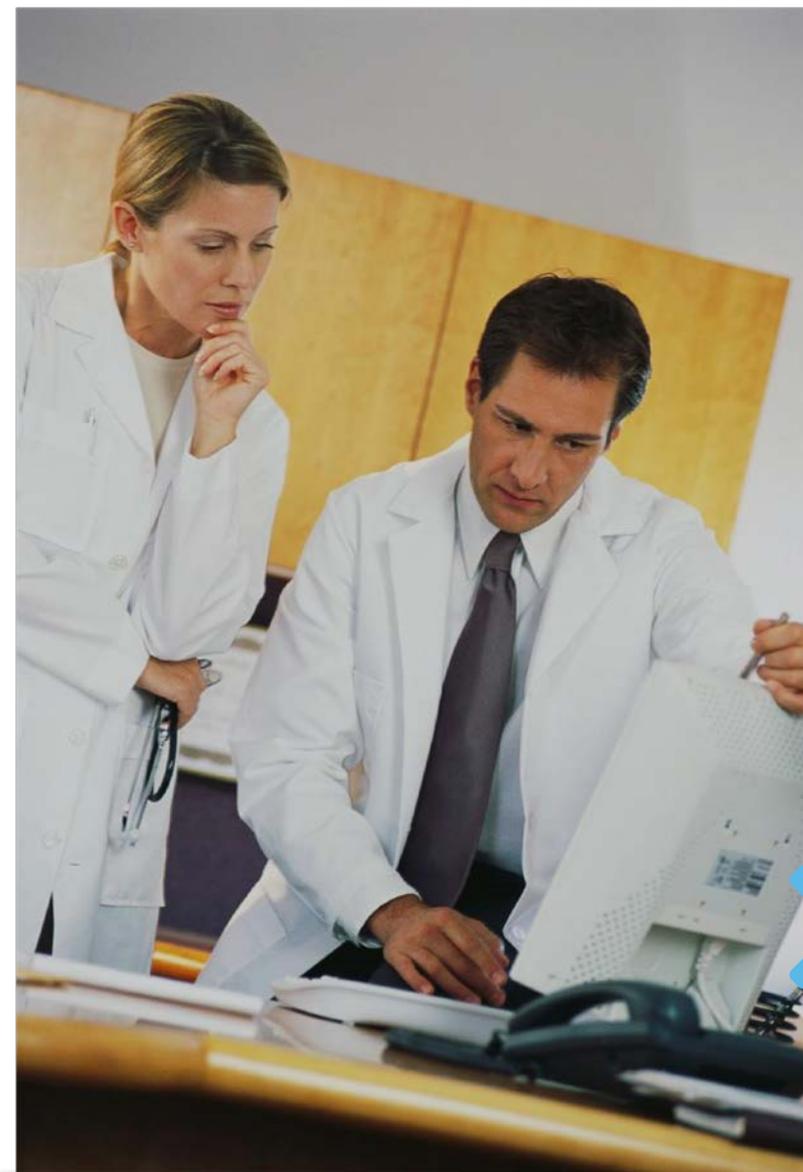
The Stage 2 measure will **not** be met if the provider:

- Fails to register their intent by the deadline; or
- Fails to participate in the onboarding process as demonstrated by failure to respond to the PHA written requests for action within 30 days on two separate occasions.

Stage 2 Public Health Letters



- ADHS will provide written communication (including electronic form) affirming that EP, EH or CAH met the appropriate measure



Health and Wellness for all Arizonans

azdhs.gov



MeaningfulUse@azdhs.gov

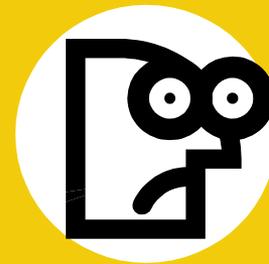
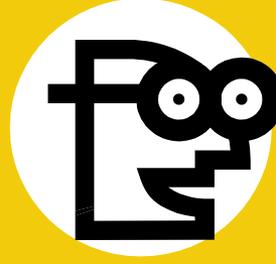
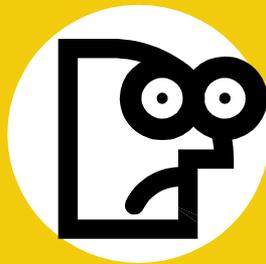
www.azdhs.gov/meaningful-use

The screenshot shows the Arizona Department of Health Services website. At the top, there is a banner with the department's logo, the text "Health and Wellness for all Arizonans Arizona Department of Health Services", and the "AZ.GOV" logo. Below the banner is a navigation bar with links for "ADHS Home", "About", "News", "A-Z Index", and "Contact", along with a search box labeled "Search ADHS". On the left side, there is a vertical menu with links for "Division for Planning and Operations Home", "Meaningful Use Home", "Arizona State Immunization Information System (ASIS)", "Electronic Lab Reporting (ELR)", "Syndromic Surveillance", and "Frequently Asked Questions (FAQs)". The main content area is titled "Meaningful Use Home" and features four icons with corresponding text and links: 1. A syringe icon with the text "Developing the capability to electronically transfer immunization registries." and the link "[AZ State Immunization Info System \(ASIS\)](#)". 2. A folder and doctor icon with the text "Electronic transmission of reportable lab results to public health agencies." and the link "[Electronic Lab Reporting \(ELR\)](#)". 3. A microscope and magnifying glass icon with the text "Using specific indicators to identify outbreaks, public health events, and monitor health status." and the link "[Syndromic Surveillance](#)". 4. A book icon with the text "Find answers to some of the most frequently asked questions." and the link "[Frequently Asked Questions \(FAQs\)](#)". At the bottom of the main content area, there is a link for "Meaningful Use and Arizona's Public Health Systems". The footer of the website includes the department's logo, the text "Health and Wellness for all Arizonans", and social media icons for Twitter, Facebook, YouTube, WordPress, and LinkedIn, along with the website address "azdhs.gov".



Health and Wellness for all Arizonans





It's QUESTION TIME!!

MeaningfulUse@azdhs.gov