Electronic Labs

2014 EHR Certification
Meaningful Use Stage II

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- Certification Requirements
- Workflow
- MU Measures

170.314(b)(5)(A) (B) Incorporate laboratory tests and values/results

This test evaluates the capability for an EHR technology to electronically receive, incorporate, and display clinical laboratory tests and values/results in human readable format. The clinical laboratory tests and values/results must be electronically received using the new LRI standard HL7 2.5.1.
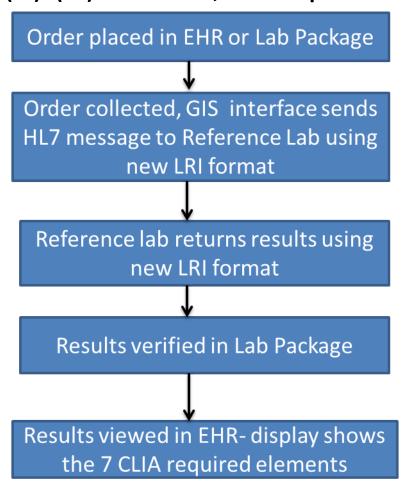
170.314(f)(4) Transmission of reportable laboratory tests and values/results- Inpatient setting only –

This test evaluates the capability of the EHR technology to electronically generate conformant HL7 messages for reportable laboratory test values/results using:
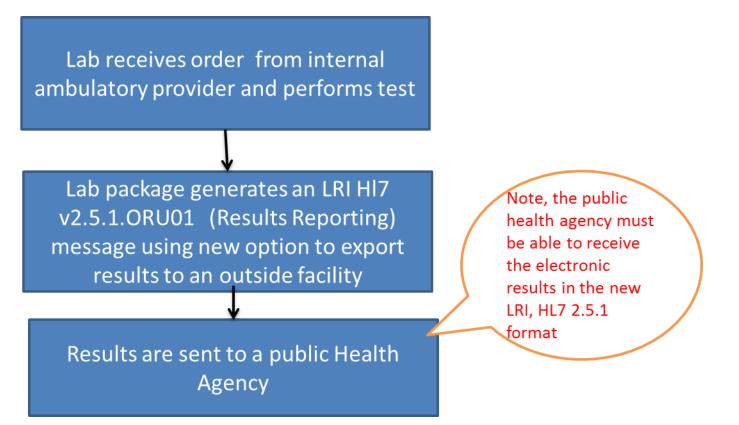
- 170.314 (b) (5) (A)Receive, Incorporate, Display

Order placed in EHR or Lab Package

↓

Order collected, GIS interface sends HL7 message to Reference Lab using new LRI format

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Reference lab returns results using new LRI format

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Results verified in Lab Package

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Results viewed in EHR- display shows the 7 CLIA required elements

- 170.314 (f) (4) Transmission of reportable lab tests and values for electronic submission to public health agencies- inpatient setting only

Lab receives order from internal ambulatory provider and performs test

Lab package generates an LRI Hl7 v2.5.1.ORU01 (Results Reporting) message using new option to export results to an outside facility

Results are sent to a public Health Agency

Note, the public health agency must be able to receive the electronic results in the new LRI, HL7 2.5.1 format

- Increase from 40% to 55%

Stage 2
Eligible Professional
Meaningful Use Core Measures
Measure 10 of 17
Date issued: October, 2012

Clinical Lab-Test Results	
Objective	Incorporate clinical lab-test results into Certified EHR Technology (CEHRT) as structured data
Measure	More than 55 percent of all clinical lab tests 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
Exclusion	Any EP who orders no lab tests where results are either in a positive/negative affirmation or numeric format during the EHR reporting period.

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- Increase from 40% to 55%

Stage 2
Eligible Hospital and Critical Access Hospital
Meaningful Use Core Measures
Measure 8 of 16
Date issued: October, 2012

Clinical Lab-Test Results	
Objective	Incorporate clinical lab test results into Certified EHR Technology as structured data.
Measure	More than 55 percent of all clinical lab tests results ordered by authorized providers of the eligible hospital or 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 affirmation or numerical format are incorporated in Certified EHR Technology as structured data.
Exclusion	No exclusion.

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- Definition of Terms
- Attestation Requirements
- Additional Information
- Certification and Standards Criteria

Definition of Terms

Admitted to the Emergency Department – There are two methods for calculating ED admissions for the denominators for measures associated with Stage 2 of Meaningful Use objectives. Find out more in this

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.

Attestation Requirements

YES/NO

Eligible hospitals or CAHS must attest YES to meeting one of the following criteria under the umbrella of ongoing submission:

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.

Additional Information

- In determining whether the public health agency has the capacity, CMS anticipates developing a centralized repository for this information, including a deadline for the public health agency to submit information. If the public health agency fails to provide information to this centralized repository by the deadline, the provider could claim the exclusion. In the event, that we are unable to develop a centralized repository, providers will make the determination of public health agency capacity by working directly with the public health agency as is currently the case for Stage 1 of meaningful use.

- The first exclusion does not apply if an entity designated by the public health agency can receive electronic immunization data submissions. For example, if the immunization registry cannot accept the data directly or in the standards required by Certified EHR Technology, but if it has designated a Health Information Exchange to do so on their behalf and the Health Information Exchange is capable of accepting the information in the standards required by Certified EHR Technology, the provider could not claim the second exclusion.

- ONC has adopted an updated implementation guide for electronic laboratory reporting from EHR technology in its 2014 Edition EHR certification criteria.

- Centers for Disease Control and Prevention in coordination with the Council of State and Territorial Epidemiologists have created the national Reporting Condition Mapping Table (http://www.cdc.gov/EHRmeaningfuluse/rcmt.html) that provides further guidance on