Electronic Laboratory Reporting (ELR) is the electronic transmission from performing and referring laboratories to public health of laboratory reports that identify notifiable conditions. The Mississippi State Department of Health maintains multiple systems that utilize ELR to improve public health surveillance capabilities.

ELR Onboarding Steps

Any facility interested in performing Electronic Laboratory Reporting (ELR) for Stage 2 will be required to adhere to the following steps.

1. Complete the on-line Meaningful Use Registration form with MSDH. **Register now »**
2. Register with MS-HIN.
3. The MS-HIN/MSDH Onboarding Team contacts the facility to start the onboarding process.
4. Review the ELR Checklist
5. Submit laboratory results based on the following Mississippi Rules and Regulations:

   Rules and Regulations Governing Reportable Diseases and Conditions

   Reportable Disease Guidelines for Laboratories

   Mississippi ELR Guide

6. The facility will receive a Meaningful Use Certification Letter from MSDH at the end of the EHR Create a Direct email account
7. The MS-HIN/MSDH Onboarding Team contacts the facility to start the Onboarding Process.
8. The facility will receive a Meaningful Use Certification Letter from MSDH at the end of the EHR reporting period and the facility has met the ongoing submission of ELR requirements.

Please Note: Laboratories will still be required to send lab reports through the current reporting mechanisms (which for most laboratories would be paper or fax lab reports) for reportable lab results until MSDH notifies you that you may stop.

ELR Standards

MSDH requires all facilities who conduct Electronic Laboratory Reporting (ELR) for Stage 2 to adhere to the following standards:

LOINC® Coding

Lab tests or observations are identified by LOINC®codes. The LOINC®codes must be embedded in the HL7 transactions.

- [More information about LOINC®codes](#)
- [LOINC®Lookup Table](#)

SNOMED CT® Coding

Lab test results (other than quantitative) and specimen sources are identified by SNOMED CT® codes. The SNOMED CT® codes must be embedded in the HL7 transactions.

- [More information about SNOMED CT®](#) [codes »](#)
- SNOMED CT® Lookup Services
    - [UMLS Terminology Services](#)
    - [NPEx](#)
- MSDH SNOMED CT® list for results
    - [Organism results](#)
    - [Qualitative results](#)
- [MSDH SNOMED CT®](#) [list for specimen sources](#)

PHIN VADS

PHIN VADS are used for standardization of data fields

- [Additional information on PHIN VADS](#)
- Submitters are required to adhere to [PHIN VADS standards for race, ethnicity, gender and county of residence](#).

Additional Requirements

- Multiple laboratory health organizations:
    - If the organization is using one interface to send ELR for multiple laboratories, then the**performing** laboratory's information must be captured in OBX23, 24 and 25 and the **sending**facility's information must be captured in MSH4.
- All ELRs must contain the required LOINC®, SNOMED CT®, and PHIN VADS codes before the Onboarding Process will begin.
- The HL7 ELR message must contain both the national and MSDH required fields and segments.

Notes

- The facility can satisfy Class 2 and 3 disease reporting requirements once the Data Certification phase of the Onboarding Process has been successfully completed.

    NOTE: Class 1 diseases and conditions will still require a phone call to MSDH within 24 hours of first knowledge or suspicion.

- The Federal Fiscal Year (FFY) 2014 (October 1, 2013 – September 30, 2014) Reporting Period is only 90 days.

For any questions and/or concerns regarding the Meaningful Use process, please contact the MSDH Meaningful Use Coordinator at (601) 576-7725 or MeaningfulUse@msdh.ms.gov.