



Electronic Case Reporting (eCR) HL7 Web Service Implementation Checklist for Electronic Health Record (EHR) Vendors

Phase I: Development

- Receive HL7 Implementation Guides, Reportable Condition Trigger Codes, and Recommended Fields document from the DOHMH for review
- Map any local codes used by the healthcare provider to LOINC, SNOMED CT, and ICD-10 CM trigger codes
- Establish a connection with the Association of Public Health Laboratories Informatics Messaging Services (AIMS) platform

DOHMH informatics staff will review the following site development plans:

- Recommended fields inclusion
- Message validation
- Error message return management, including:
 - How will the EHR manage error messages?
 - How will error messages be displayed to the user?
 - Who will review error messages?
 - How will users be able to correct errors and resubmit messages?

Phase II: Testing

- Submit one month of real electronic initial case reports (eICR) to the Digital Bridge test environment from a pilot site¹
- Review DOHMH feedback and the Reportability Response documents from the Digital Bridge to find out how many successful, partially successful and failed eICR messages your practice has sent
- Identify major issues in partially successful and failed documents; correct issues and resubmit the data to ensure that all issues are resolved
- Ensure that all recommended fields are being sent with the eICR
- Run the percentage of each disease reported during the one-month test. Make sure that the percentages do not vary greatly from the amount of laboratory reports in the DOHMH surveillance system
- Once issues are resolved, submit a different month of data. Repeat this step until all messages are successful

¹ Messages can be sent to test environment prior to this step as part of vendor's development process

Phase III: Certification

- Repeat Phase II for two more health care facilities (the number will vary according to the size of the EHR vendor client base or provider/hospital network)
 - If the reporting from any facilities **does not** pass certification checks, repeat Phase II and III with two more sites until you are able to produce reliable quality across facilities
 - If the reporting from all facilities reviewed **does** pass certification checks, the EHR will be certified

Phase IV: Rollout

- Receive Digital Bridge account credentials for all facilities
- Discuss and document rollout plan with DOHMH staff