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 site
☐ 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