

CIR Real Time HL7 Web Service Implementation Checklist

Phase I: Development

- Received HL7 Integration Guide, Recommended Fields, Validation Recommendations, Confidentiality Agreement
- Returned signed Confidentiality Agreement to CIR
- Received web service test account username and password

Development plans to be reviewed with CIR staff:

- Recommended Fields inclusion
- Validation Plans
- VXQ Inclusion plans
 - Will returned records be stored permanently?
 - If storing, will returned records be integrated into EHR immunization history?
 - Will the EHR automatically query for records, or will the user initiate the query?
 - How will returned records be displayed to the user?
- Decision Support Inclusion
 - Will CIR decision support be utilized?
 - How will decision support information be displayed?
 - Will recommendations be stored?
- Error message return management reviewed & approved
 - How will the EHR manage error messages?
 - How will error messages be displayed to the user?
 - Workflow – who will review error messages?
 - How will providers be able to correct errors and resubmit?

Phase II: Testing

- Submit 1 month of real immunizations to the Web Service test environment, from a pilot site.*
- QA Review performed and passed. CIR review criteria are as follows:
 - Find out how many successful, partially successful, and failed VXU messages are sent.
 - Identify major issues in failed and partially successful messages; ask the EHR vendor to submit a different month of data after the issues are resolved. Repeat this step until nearly all messages are successful
 - Check the database to ensure that the shots reported in the messages were added to the CIR database
 - Check the messages and database to ensure that historical immunizations and recommended fields are being sent
 - Run the percentage of each vaccine and group reported during the 1-month test. Ensure that the percentages do not vary greatly from the amount of reporting we normally expect.

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

- Check VXQ inclusion. If included, what percent return patient records?

Phase III: Certification

- Repeat and pass the Phase II test for two more healthcare facilities (number will vary according to the size of the EHR vendor).
 - If the reporting from any facilities reviewed does not pass certification checks, go through the entire phase II test with those sites, then start phase III again with two more sites, until the EHR vendor is able to produce reliable quality across facilities
 - If the reporting from all facilities reviewed passes certification checks, the EHR will be certified and we can create all of the necessary production accounts.

Phase IV: Rollout

- Received account information for all facilities to be connected to the production web service.
- Discussed and documented plans for rollout with CIR staff.
- Received Confidentiality Agreement for Health Care Providers, to be submitted to CIR for each immunizing facility that connects to the CIR via the HL7 Web Service