

PDPH KIDS Plus IIS HL7 Testing Plan

HL7 Testing Phases

1. Pre-Test Phase: Sample message review from clinic/vendor/health system/group
 - a. Receive sample VXU from site or vendor.
 - b. Process and review completeness and formatting (required fields, preferred fields, optional fields, formatting errors).
 - c. Send comments for changes/issues to site or vendor contact for corrections.
 - d. Review corrected sample VXU (repeat steps a and b, as necessary, until sample message is of a quality worth further testing as batch messages).
 - e. Create Field List for that Site (i.e., If site unable to report some data elements, document which fields will be regularly reported by site).
2. Provide site with sFTP account information for HL7 transport layer
 - a. Confirm that site/vendor is able to log in and upload files to sFTP server.
3. Testing Phase:
 - a. Receive daily batch HL7 data via secure ftp server.
 - b. Process and review HL7 data into KIDS Plus test environment for minimum 2 weeks to review potential data quality issues associated with HL7 data from site. Feedback message format and data quality issues on a regular basis to site/vendor contact.
 - c. During testing phase, a potential HL7 site will continue to submit their regular monthly batch file to the WFR as usual, until they have been notified they are an approved HL7 site for KIDS Plus.
 - d. Once clean data is received for 5 days in a row, site can be approved to move to the production phase.
4. Production Phase:
 - a. After approval from the testing phase and the site begins reporting to production via HL7 messages.
 - b. If data quality issues are found, more frequent data quality analysis may be conducted at any point in production. If major issues are found PDPH may determine that the HL7 reporting needs to halt for a period of time until the issues are corrected.

Approved HL7 Data Submitter Criteria

1. HL7 messages must include all segments/fields agreed upon for regular reporting, including all PDPH required fields, unless otherwise agreed upon by PDPH.
2. HL7 messages must be formatted correctly according to KIDS Plus Specification documents.
3. No messages should be rejected by KIDS Plus (AR).
4. Only error messages that specify that a vaccine was not added to a patient record because an existing vaccine was present will be acceptable.
5. The site should submit 5 consecutive days of 'clean' data before approval as an HL7 data submitter.