

KIDS Plus IIS

HL7 Testing Plan

HL7 Testing Phases

Pre-Test Phase: Test message review from clinic/vendor/health system/group

1. Receive test message from site or vendor.
2. Process and review completeness and formatting (required fields, preferred fields, optional fields, formatting errors).
3. Send comments for changes/issues to site or vendor contact for corrections.
4. Review corrected message (repeat steps 1 and 2, as necessary, until message is of a quality worth further testing as batch messages).
5. Provide credentials to SFTP account or web service and confirm that site/vendor is able to log in and upload files.

Testing Phase:

1. Receive daily or real-time HL7 data.
2. Process and review HL7 data into KIDS Plus IIS test environment for minimum two weeks to review potential data quality issues.
3. KIDS Plus IIS will send feedback on message format and data quality issues on a regular basis to site/vendor contact. Site is required to collaborate with KIDS Plus IIS to improve data quality; this may involve updating records in the EMR.
4. For real-time/bi-directional reporting, sites are required review error messages.
5. Once clean data is received for a minimum of five days consecutive days, site can be approved to move to the production phase.

Production Phase:

1. If data quality issues are found, more frequent data quality analysis may be conducted at any point in production. If major issues are found, KIDS Plus IIS may determine that the HL7 reporting should halt for a period of time until the issues are corrected.
2. Provider will continue to submit their regular monthly flat file or manual logs until notified by KIDS Plus IIS staff, at a minimum a period of three months following go live date.

Approved HL7 Data Submitter Criteria

1. HL7 messages must include all required segments/fields for regular reporting, unless otherwise agreed upon by PDPH.
2. HL7 messages must be formatted correctly according to KIDS Plus IIS Specification documents.
3. No messages should be rejected by KIDS Plus IIS (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 five consecutive days of 'clean' data before approval as an HL7 data submitter.