



STC ONE

Test HL7 Messages

Generally, test HL7 messages are sent when the HL7 interface is created and when the provider begins to send data. PHC Hub provides a sandbox where HL7 developers can validate the format and content of their HL7 messages. These sandbox items are located in the Test menu category.

Code Tables

When testing HL7 messages, review the internal STC tables to understand how the STC HL7 API interprets the standard code values, as defined by HL7 and the CDC.

1. Click the **Test > Code Tables** menu link.
2. Click the table name link (in the left column) to view the table's contents.

HL70001	User-defined Table 0001 - Sex
HL70005	User-defined Table 0005 - Race
HL70008	HL7-defined Table 0008 - Acknowledgment code
HL70038	HL7-defined Table HL70038 - Order status
HL70048	HL7-defined Table HL70048 - What subject filter
HL70063	User-defined Table 0063 - Relationship

Message Constructor

The Message Constructor allows users to rapidly create sample messages based on the STC HL7 API. Messages contain transactions. For example, VXU is an Unsolicited Update transaction.

1. Click the **Test > Message Constructor** menu link.
2. Select a Transaction from the drop-down list.
3. Select if the message is making a Request or providing a Response in the Message drop-down list.
4. For the Segments field, click **Add**.

1. **Transaction**

2. **Message**

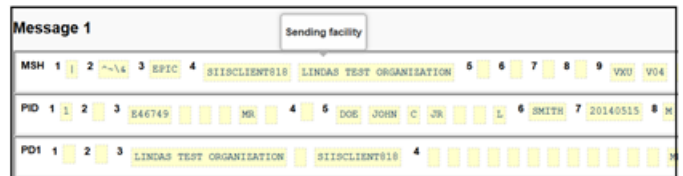
3. **Segments**

5. Review all of the fields in each segment, enter the required information, and click **Continue**.
6. Add additional segments as needed until the message is complete.

Quick View

Quick View displays an HL7 message broken down into its segments, fields, repeats, and sub-components. Use this view instead of counting pipe delimiters.

1. Click the **Test > Quick View** menu link.
2. Copy and paste the message into the message content box, then click **Submit**.
3. Hover the mouse pointer over a field to see a tooltip describing the field value.



Request Debug

Request Debug allows a test message to be processed through the STC HL7 API and displays the grammar and validation checks performed inline, with comments from the documentation.

1. Click the **Test > Request Debug** menu link.
2. Type or paste a sample HL7 message in the top section and click **Submit**.
3. Review the Grammar Check section and verify that the segment passed all grammar checks.



Transaction Handler

Transaction Handlers also provide a view of the HL7 message structure, but without any test data comparison.