PHC Hub
Release Notes

v5.20.0

Support Services

For general support on this product, contact your system administrator or help desk. For up-to-date documentation, visit the STC Documentation Portal at https://documentation.stchome.com/.

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New Features/Improvements

The following are new features, functionalities or enhancements in this version of PHC Hub.

Key	Summary	Description
CONSORT-4898	ERR 3 Modification for ACK	ERR 3 has been modified so that when ERR 3.1 is 0, ERR 3.2 shows "Message Accepted" and 3.3 shows the name of the coding system.
CONSORT-4899	ERR 3 Modification for Query response	ERR 3 has been modified so the Query Response with No Patient Return will contain "Message Accepted" in ERR 3.2 and the name of the coding system in 3.3.
CONSORT-4900	Addition of ERR components to ACK/RSP for error-free inbound message	MSA 1 will contain AA when a message contains no errors or warnings.
CONSORT-4901	Addition of ERR components to ACK/RSP for inbound message with error or warning	MSA 1 will contain AE when a message has a warning or error.
CONSORT-4902	Add ERR components (ACK/RSP messages) – NIST	When the code is 0, the message text and code set will be included in ERR 3.3.
CONSORT-4904	MSA-1 Reports AR for 200, 201, 202 and reasons not related to format or content	This adds new functionality where MSA-1 now reports AR for unsupported message type, unsupported event code, unsupported processing ID and any transaction that cannot be processed for a reason that is not related to format or content.
CONSORT-4905	Addition of AR/AE Legacy Property to Import Profile	This adds a new property that allows the system to use the old AR system or the new AE functionality.

By default, the system is setup to use the new functionality, or AE. |
| CONSORT-4917 | Addition of error code 201 "Unsupported event code" | This modifies the response to include 201 (unsupported event code), when an invalid entry is made in MSH-9.2. Valid values for MSH 9.2 (and other supported values) are listed in the CONSORT ticket. |
| CONSORT-4922 | Address Redundant "STC" OBX | To be compliant with HL7 Implementation Guide, messages must use valid combination of CDC-defined code values and unique name of the code system.

Therefore, this change modifies the OBX returned with a patient query by removing the redundant and non- |

Key	Summary	Description
		standard "STC OBX" segment where OBX-3 is VFC-STATUS^VFC Status^STC. This was done specifically for all import profiles except Application Type STC-IWeb. A profile with an application type of STC-IWeb will be allowed to retain the "STC OBX" segment where OBX-3 is VFC-STATUS^VFC Status^STC. Steps to test this scenario are in **CONSORT-4923.**
CONSORT-4924	Remove OBX for VFC Unknown	To be compliant with HL7 Implementation Guide, messages must use valid combination of CDC-defined code values and unique name of the code system. This removes the OBX response when OBX-5 is V00, or Unknown VFC Status.
CONSORT-4925	C4 or C5 can be an alias for CPT in RXA 5.6	RXA has been modified to allow C4 or C5 to be used as an alias for CPT. Support for C4/C5 has been added to PHC Hub's issue resolution consistency check between CPT and CVX. Steps to test this can be found in CONSORT-4926.
CONSORT-4927	Update Z23 (ACK) response profile to rejected message	Messages can fail if: • The message is of an unsupported message type (MSH-9) • The message has an unsupported event code (MSH-9) • The message has an unsupported processing ID (MSH-11) • The message has an unsupported version ID (MSH-12) • The message is unable to be processed for reasons unrelated to format or content If one of the above events causes a message to be rejected, the QBP response will include Z23 in MSH-21.
CONSORT-4928	Update Z33 (ACK) response to query with error	If an error of a different type occurs than those specified above, PHC Hub will return a Z33 (ACK) response profile.

Fixed Bugs

The following bugs were fixed in this version. For detailed information, see the Fixed Bug Details section below.

Key	Summary
CONSORT-4913	HL7 Message Collisions
CONSORT-4916	Modification of the response for unsupported MSH-11 values.
CONSORT-4919	Reporting one instance in ERR-2

Known Issues

The following are known issues with this release:

- The Attestation Report is currently not working.
- Version numbers do not display at the bottom of the left navigation menu.
- As previously noted in the PHC Hub v. March 2018 Release Notes, code changes are required in IWeb to complete the downstream functionality to support the relaxed consistency logic for matching VFC Eligibility and Funding Source. Clients should see fewer message rejections related to PHC Hub processing for VFC Eligibility and Funding Source, but may not see a change in lot decrementing or IIS data retention until changes have been made in IWeb.

Fixed Bug Details

The following table lists the detailed information about each of the bugs fixed in this version. To export the testing steps to Excel, see the Export section below.

Key	Summary	Affects Client	Description
CONSORT-4908	HL7 Message Collisions	All	An issue has been fixed where a section of code responsible for handling a query or an update message would attempt to handle two messages at once (both queries, or both updates). If that happened, then most likely one of the two messages would be handled correctly \- the other skipped \- and that one successful result would be returned to both. For example, two query messages searching for two totally different patients would both receive the same response. One message wouldn't notice, because it received the correct response. The other message would see a response that is totally different from what it was searching for. Similarly, for updates, one update would appear normal, while the other update didn't get imported and received the wrong acknowledgement message. Other items to note:

Key	Summary	Affects Client	Description
			• It is also possible that both messages will fail and receive internal-error responses instead of the more likely one-normal and one-skipped scenario. • In PHC Hub one affected message's import log will be missing all of its log messages, and the other message's import log will contain extra messages. • We were unable to identify any instances of data from inbound messages being saved to the incorrect patient record in IWeb. The frequency of this bug was a low 0.0051% in the registry where it was discovered. The characteristic behavior of this bug is that only one message (a row in cp_import_log) will have import log messages (rows in cp_import_issue). By locating messages without any import log entries, it was found to have occurred 209 times, affecting 418 messages (310 queries and 108 updates) after 2017 during which time 8.2 million messages had been processed.
CONSORT-4916	Modification of the response for unsupported MSH-11 values.	All	This modifies the response for unsupported MSH-11 values. The only supported values for MSH-11 are 'P' or 'T'. Any other value sent in MSH-11 will receive a 202 error and the text: The only Processing ID used to submit HL7 messages to the IIS is 'P.' If 'D' is sent in MSH-11, PHC Hub will return a 202 and the text: The only Processing ID used to submit HL7 messages to the IIS is 'P' and an ERR-8 of Debug mode cannot be used.
CONSORT-4919	Reporting one instance in ERR-2	All	ERR-2 previously reported multiple fields and components such as RXA-11.1, MSH-4.1, MSH-4.2. Following this change, only one instance of segment, field or component will be reported in ERR-2, changing the cardinality to 1 and eliminating repeats.

Export to Excel

Follow these steps to export the testing steps to an Excel spreadsheet:

1. Click this link and log in to Jira if required: https://stchome.atlassian.net/issues/?filter=52666.

2. Click the **Change View** icon and select **List View**.

3. Click the **Export** icon (it looks like a download icon) and export as needed.

Product Documentation

Product documentation is located on the STC Documentation Portal: https://documentation.stchome.com/.

The following documents are still applicable for this version of PHC Hub:

- PHC Hub (v. July 2018) User Guide (no changes for this version)

- PHC Hub (v. March 2018) Quick Reference Guides (QRGs) – (no changes for this version)