# 23.08. HL7 and Tamanu integration

mSupply supports HL7 integration with HL7 compliant APIs. Currently, this is limited to retrieving information from HL7 Servers, mSupply does not send patient data.

When using mSupply Synchronisation systems, this must be configured on the central server. Data retrieved from the integration is stored on the mSupply Central Server and distributed via sync to remote sites. Data is also available via remote patient search.

Tamanu and Patis Plus are the primary use cases for this integration at the moment, and the only products we actively test the integration with. If you require integrating with other HL7 servers, please contact us!

## **Configuration**

Choose *File > Preferences* from the menus and click on the *HL7 Integration* tab on the left hand side. This window opens:

• • •	Preferences	
Drug Interactions	HL7 Integration	
Registration	FIL7 Integration	
Printing	✓ Use HL7 integration	
OK and print	C No. 111 Section for a	
Logo	Use HL7 patient feed Use HL7 patient search	
Dispensary mode	Basic authentication	
HIS		
Backup	URL	
Backup 2	Host name	
Email	Email	
Server		
Customization	Password:	
Moneyworks	Limit 20	
FrontlineSMS	Coffice and Contraction (Spin land (Batisa)	
eLMIS	Suffix path /integration/fhir/mat/Patient	
.DAP	Medication dispense	
DHIS2		
DHIS2 LMIS	Medication dispense	
NHLMIS	URL	
NHLMIS 2	UNL	
VEDIX interface	Send errors to this email address	
Stock		
Custom fields	Manual push data	
Barcode scanning		
Options		1
mSupply Link	Test connection	
Alternate Server		
Assets	To save new credentials click "Test Connection". If credentials were saved, a "Connection Successful" message will show.	
HL7 Integration	were saved, a Connection successful message will snow.	
Siglofa Integration		
Veb catalogue		
Scheduled reports		Cancel OK

To turn on HL7 configuration start by ticking the option **Use HL7 integration**. Then select either **Use HL7 patient feed** or **Use HL7 patient search**; these are explained below.

Then enter:

- **URL**: The URL of the HL7 compliant server you wish to connect to.
- **Host name**: The name of the service that you are integrating with. e.g. "Demoland Tamanu Server"
- **Email**: The username being used for the integration authentication. May be an email or any other text value.
- **Password**: A strong password provided for integration authentication.
- Limit:
- Suffix path:
- **Medication dispense**: Check this checkbox if you want to send dispensed data (i.e. prescriptions) to Patis Plus.
- **URL**: Enter the URL of the Patis Plus or other prescription consuming software here.
- **Send emails to this email address**: Enter the email address you want errors encountered when sending prescriptions sent to.
- **Manual push data** button: Click this to send the prescription information immediately rather than waiting for the automatic scheduler to do it.

All these should be provided by the organisation hosting the HL7 server that you wish to integrate with.

Press the **Test connection** button to validate the details you've entered and save them.

#### **Patient Feed**

This is the default and recommended option to use if available. The patient feed will regularly request all recent changes to patients and their related documents available on the HL7 Server. Supported records will seamlessly be integrated into the mSupply Central Server database.

#### **Patient Search**

The patient search option allows remote searches done from mSupply remote sites to additionally search the integrated HL7 server seamlessly, and return both mSupply and HL7 results in the mSupply user interface.

#### Which one?

Patient feed is the recommended option as it solves multiple drawbacks of Patient search:

- Patient search is only available when using "remote patient search" on remote mSupply sites.
  This means it does not work on non-sync systems, and on sync systems the option does not
  serve any dispensaries that are active on the central server. As Patient feed gets all updates of
  all patients from the HL7 server and saves them in the mSupply database, they are available in
  all contexts.
- Patient search does not retrieve updates of patients from the HL7 server, only the state of the patient when first
- searched and added via the integration. Patient feed gets all future updates for all patients from the HL7 integration.

### **Medication dispense**

If this is turned on then all finalised prescriptions are sent to the prescription consuming software every hour.

Previous: 23.07. NHLMIS integration | Next: 23.09. iVEDiX integration

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