OLIS Hub Management Console Guide

Ontario Health

Contents

Welcome to Ontario Health's OLIS Hub Management Console

About this guide

The Ontario Health's OLIS Hub Management Console for OLIS is a web-based application developed to manage the populated data to OLIS via the OLIS Regional Hub

The console allows authorized users (Site Administrators) at the hospital sites to self-manage their OLIS operational tasks, such as uploading nomenclature and practitioner mapping, checking the status of message transmissions and viewing /resolving error messages.

The OLIS Hub Management Console has three main functions or modules:

1. Interface Monitor Dashboard
2. Nomenclature Mapping Upload (Development & Production)
3. Practitioner Mapping Upload (Production)

This document is a step-by-step instruction guide designed to assist Site Administrators in the use of the OLIS Hub Management Console

Who should read this guide

Authorized users (Site Administrators) at each site who will use and maintain the Ontario Health's OLIS Hub Management Console should read this guide.
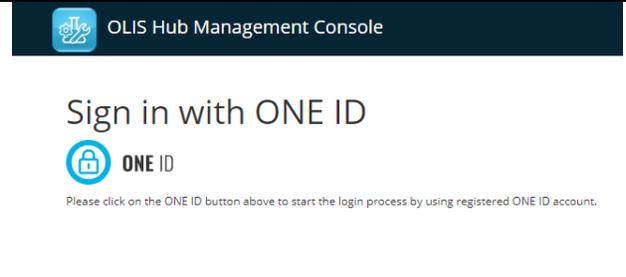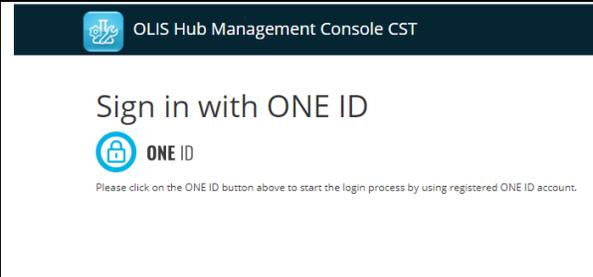
1 OLIS Hub Management Console Administration

Administration of the OLIS Hub Management Console involves checking that results from your organization were successfully transmitted to OLIS, Mapping health practitioner registration and billing information and updating the nomenclature file in the interface. For the purpose of this guide, we will call the individuals tasked with these steps "Site Administrators".

1.1 Logging into the OLIS Hub Management Console

Each Site Administrator will have two separate ONEID login ID's for access. A login ID for the Production Environment and one for the CST environment. The initial login screen will be the same regardless of which environment you log into, however once logged in, the screens will then vary when logged into the **Production Environment** vs. the **Client Self-Test (CST) Environment** see the differences Production Environment View and CST Environment View in the OLIS Hub Management Console Navigation section of this guide.

What's New in this guide?

You will now launch the OLIS Hub Management Console using a direct URL, rather than launching the application from the Ontario Health Portal Page

Production	CST
https://olishubconsole.ontariohealth.ca	https://olishubconsole.cst.ontariohealth.ca
OLIS Hub Management Console Sign in with ONE ID 🔒 ONE ID Please click on the ONE ID button above to start the login process by using registered ONE ID account.	OLIS Hub Management Console CST Sign in with ONE ID 🔒 ONE ID Please click on the ONE ID button above to start the login process by using registered ONE ID account.

1.1.1 How to log into the Production Environment of the Hub Management Console

Go to
https://olishubconsole.ontariohealth.ca

OLIS Hub Management Console

Sign in with ONE ID
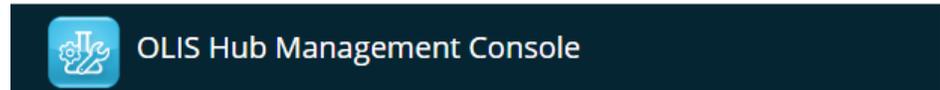
🔒 **ONE** ID

Please click on the ONE ID button above to start the login process by using registered ONE ID account.

Select the ONE ID link to login

OLIS Hub Management Console

Sign in with ONE ID

🔒 **ONE** ID
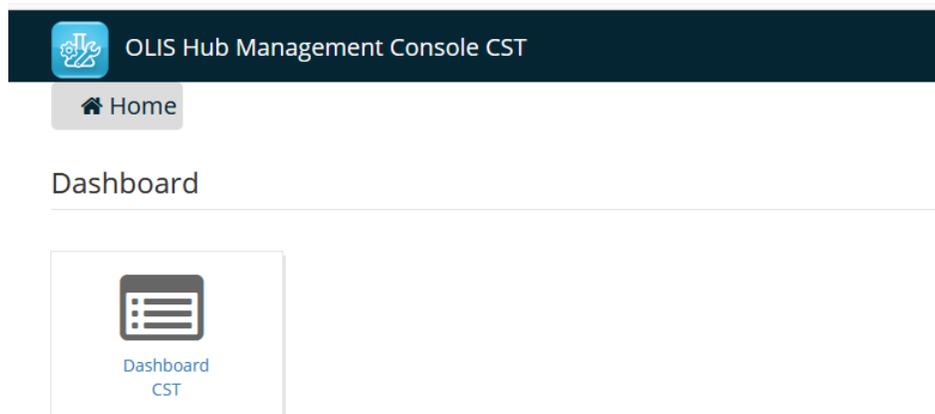
Please click on the ONE ID button above to start the login process by using registered ONE ID account.

Enter your ONE ID

e.g.
Firstname.Lastname@
ONEID.ON.CA

The console will
automatically launch.

1.1.2 How to log into the CST Environment of the Hub Management Console

Go to
https://olishubconsole.
cst.ontariohealth.ca

The application header
shows CST. This lets you
know that you are logging
into the CST environment

Select the "**ONE ID** link to sign in

OLIS Hub Management Console CST

Sign in with ONE ID

ONE ID

Please click on the ONE ID button above to start the login process by using registered ONE ID account.

Enter your ONE ID login

Ontario
eHealth Ontario
cyberSanté Ontario

ONE ID
Identity & Access Management
Help   Links

ONE® ID
Identity & Access Management
ONE® ID identity and access management enables secure access to eHealth services.

Please log in with your login ID and password

Login ID: _____
Password: _____
[Login]
Forgot Login ID   Forgot Password

The console will automatically launch.

OLIS Hub Management Console CST

🏠 Home

Dashboard

Dashboard
CST

1.2 OLIS Hub Management Console Navigation

Once logged in, the OLIS Hub Management Console contains three distinct sections that the Site Administrator will use to maintain the use to maintain the successful submission of lab results to OLIS.

1. The "**Dashboard**" icon, used to monitor transactions from your organization. This view shows failed transactions

2. The "**Nomenclature**" icon, allows you to update your nomenclature file when there are updates to the test request and test result codes. It also allows for updates to Specimen, Microorganism and Antibiotic mappings.

3. The "**Practitioner**" icon, is a mapper that allows sites to map their local mnemonics to an extract of practitioners in OLIS.

1.2.1 Production Environment View
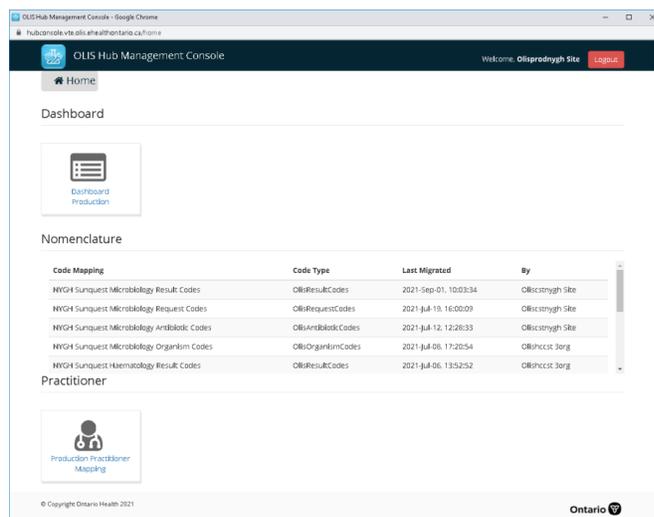
1.2.2 CST Environment View
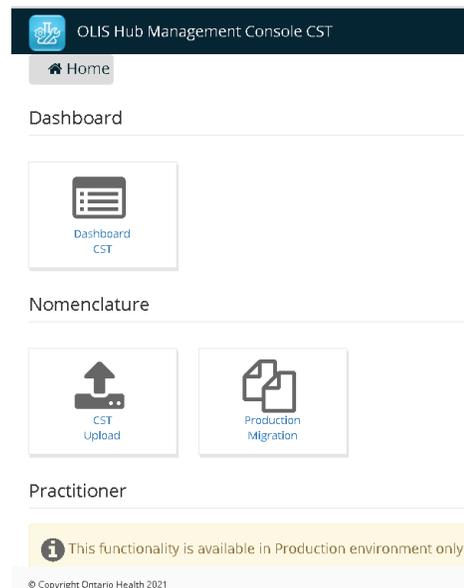
1.3 How to review OLIS Hub Management Console Error Logs

Log into the OLIS Hub Management Console - Production

OLIS Hub Management Console

https://olishubconsole. ontariohealth.ca

Click the ONE ID Link

Sign in with ONE ID

ONE ID

Please click on the ONE ID button above to start the login process by using registered ONE ID account.

Enter your ONEID login

e.g. Firstname.Lastname@O NEID.ON.CA
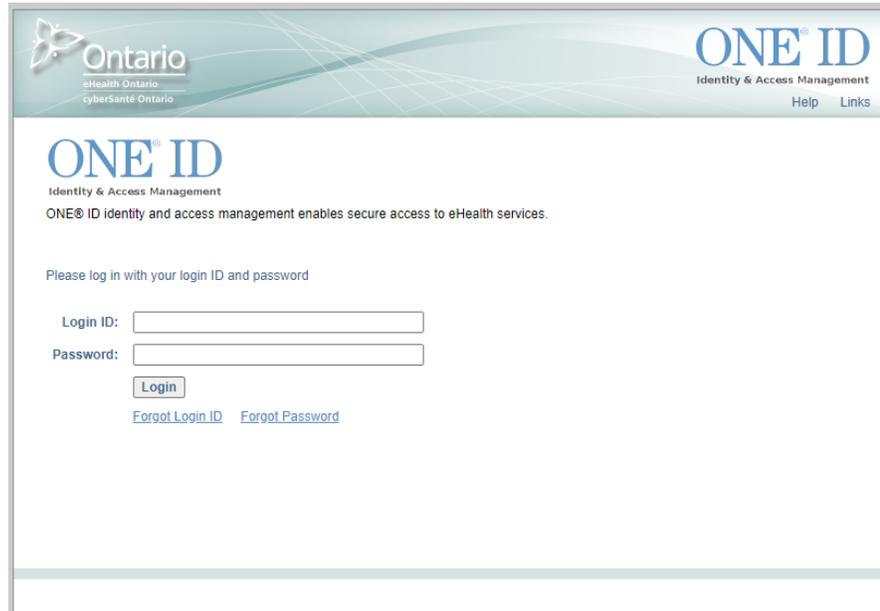
Ontario
eHealth Ontario
cyberSanté Ontario

ONE® ID
Identity & Access Management
Help   Links

ONE® ID
Identity & Access Management
ONE® ID identity and access management enables secure access to eHealth services.

Please log in with your login ID and password

Login ID:
Password:

Login

Forgot Login ID   Forgot Password

This takes you to the landing page containing navigation icons for the "**Dashboard**", a list of the loaded "**Nomenclature**" files and the "**Production Practitioner Mapping**" icon

Select the "**Dashboard**" icon to open.
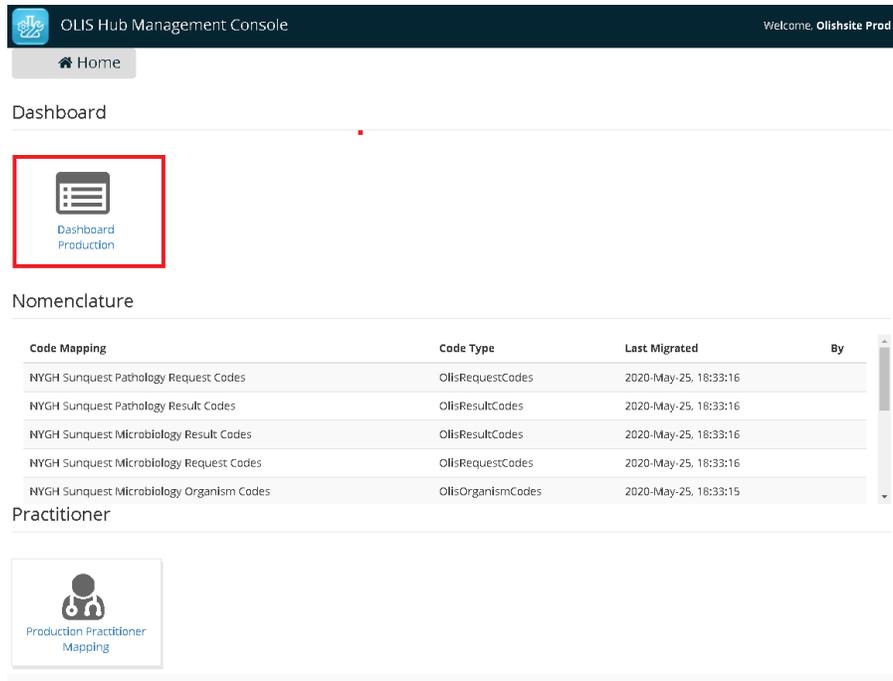
The dashboard opens to show any errors that may have been generated with your transmissions to OLIS
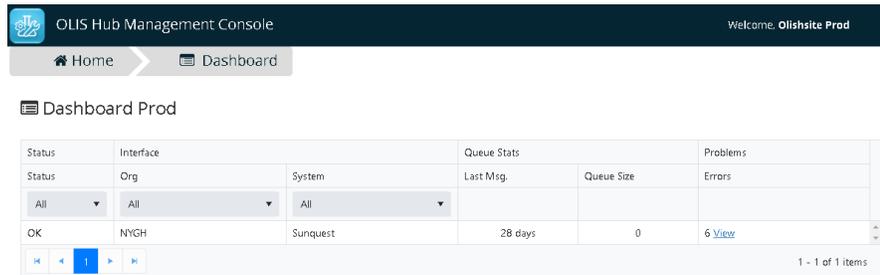
The "**Status**" provides information about the status of the submitted message

The "**Last Msg**." tab shows when the last message was sent

The "**Errors**" tab shows the list of errors.
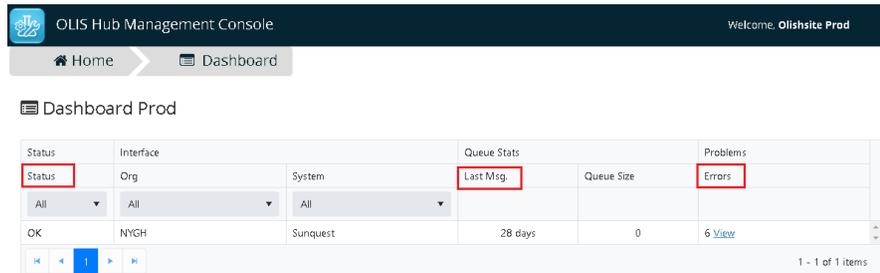
Click **"View"** to be taken to the error log screen

Status	Interface		Queue Stats		Problems
Status	Org	System	Last Msg.	Queue Size	Errors
All ▼	All ▼	All ▼			
OK	SMH	Soft	N/A	0	6 View

| ◄ ◄ 1 ► ► | 10 ▼ items per page | 1 - 1 of 1 items |

You will be presented with options to filter your search to view transactions that failed transmission to OLIS

	Error Code:	Start Date:	End Date:
Order ID:		year month day	year month day
☐ Display Resolved			CLEAR SEARCH

You may search by "**Order ID**", "**Error Code**" and date range with a "**Start Date**" and "**End Date**"

If performing a search by Order ID, enter the order ID and select 'Search"

	Error Code:	Start Date:	End Date:
Order ID: S13100012		year month day	year month day
☐ Display Resolved			CLEAR SEARCH

A list of messages containing the **Order ID** entered appears with the corresponding "**Error code**" and "**Message**"

	Error Code:	Start Date:	End Date:
Order ID: S13100012		year month day	year month day
☐ Display Resolved			CLEAR SEARCH

🔲 Download Errors Worksheet

☐	Date	Source	Control Id	Order ID(s)	Error Code	Message	Resolved Date	Status
◉	2021-05-31 at 22:57:17	SMH	01657642	S13100012	OLIS.901	code is incorrect.(HelpDesk Code:1454) PID-5.3 The specified value is incorrect: Middle Name Warning: Patient does not have current OHIP coverage.(HelpDesk Code:1378) ORC-21 The field must contain the same value on all test requests in the order.		Unresolved
☐	2021-05-31 at 22:49:33	SMH	01657642	S13100012	OLIS.901	PID-3 Warning: Health card version code is incorrect.(HelpDesk Code:1454) PID-5.3 The specified value is incorrect: Middle Name Warning: Patient does not have current OHIP coverage.(HelpDesk Code:1378) ORC-21 The field must contain the same value on all test requests in the order.		Unresolved
☐	2021-05-31 at 22:38:53	SMH	01657642	S13100012	INCORRECT_MESSAGE... 4-1	Test Request Mapping Does not Exist: CSESB for Panel: OLIS		Unresolved

If performing a search by a known "Error Code"

Enter the "Error Code" and select "Search"

A list of messages containing the "**Error Code**" entered will appear with the "Order ID" and "**Message**"

	Date	Source	Control Id	Order ID(s)	Error Code	Message	Resolved Date	Status
☐	2021-05-31 at 22:57:17	SMH	01657642	S13100012	OLIS.901	PID-3 Warning: Health card version code is incorrect.(HelpDesk Code:1454) PID-5.3 The specified value is incorrect: Middle Name Warning: Patient does not have current OHIP coverage.(HelpDesk Code:1378) ORC-21 The field must contain the same value on all test requests in the order.		Unresolved
☐	2021-05-31 at 22:49:33	SMH	01657642	S13100012	OLIS.901	PID-3 Warning: Health card version code is incorrect.(HelpDesk Code:1454) PID-5.3 The specified value is incorrect: Middle Name Warning: Patient does not have current OHIP coverage.(HelpDesk Code:1378) ORC-21 The field must contain the same value on all test requests in the order.		Unresolved

If performing a date range Search, enter a "**Start Date** and an "**End Date**" using the date picker calendars available

Select the desired date range by clicking on the desired year, month, day

The start and end date will be populated in the date range fields once the date is selected. Then select "**Search**"

A list of failed messages will appear with the corresponding status. Review each failed error presented and make appropriate corrections. Re-submit the message to OLIS.
Refer to the OLIS Interface Specification document error list, for a list of business errors that can assist you with the cause of any business errors presented.

Some errors may be related to functionality of the OLIS Hub. If assistance is required with resolving errors, open a ticket with the Ontario Health Service Desk (OH-

DS_servicedesk@ontario health.ca)

Once you have confirmed successful transmission of the message, change the error status to "**Resolve**"

Note: Clicking the "**Resolve**" button removes the error message from this error log list. You must address the cause of the error to prevent the error from reappearing on the error log.

You can view all resolved messages by clicking the "Display resolved"

Along the bottom of the page you can navigate across multiple pages of the error list

You may also download the list of errors by clicking the "**Download** "**Errors Worksheet**" Icon

The worksheet shows the details of the errors and will only show the values within the date range searched

Select the "**Dashboard**" icon to return to the dashboard window

Select the "**Home**" icon to return to the "OLIS Hub Management Console" Home screen

1.4 *Nomenclature Updates*

Sites are required to map locally defined nomenclatures for their lab information to the OLIS nomenclature. This ensures interoperability and maintains data quality.

The OLIS Nomenclature files are updated monthly so site administrators are required to review the Change Log for additions, changes and deprecations and make the necessary updates to their site mapping files. The Nomenclature file is available for download here:

https://ehealthontario.on.ca/en/olis-nomenclature

Nomenclature updates must be updated in the Client Self-Test (CST) environment first, where the site administrators can test the mapping changes. Once the site administrator has validated the changes these updates can be migrated to the Production environment and are available for OLIS production reporting. The site administrator is expected to confirm successful migration to the production environment by ensuring that messages containing the updated mappings are successfully filing in the production environment. Follow these steps to perform a nomenclature update.

1.4.1 Performing Nomenclature Updates

Log into the OLID Hub Management Console – CST

https://olishubconsole.cst.ontariohealth.ca

Click the ONE ID link and enter your ONE ID e.g. Firstname.Lastname@ONEID.ON.CA

Select "**CST Upload**"

Select your organization from the "**Hospital Site**" drop down menu

Select the
"**Nomenclature type**" that you will be uploading

Select "**Modality**" and choose the required Modality and Nomenclature type from the drop down menu

Place a check mark to indicate if the file to be uploaded contains a header row

Select the appropriate file from the location it has been saved on your local machine

Note: At this time, we only support file type .CSV

Select "**Next**"

The confirmation window appears along with the codes that were not mapped, confirm that the summary of changes is correct.

Once confirmed select "**Upload**"

The "**Upload Complete**" confirmation screen appears

Select "**Home**" to return to the dashboard

OLIS Hub Management Console CST

Logout

⌂ Home | ⬆ Nomenclature Upload | ✔ Nomenclature Upload Confirmation | 👍 Upload Complete

👍 Your nomenclature mapping file has been uploaded successfully.

<< Home | Upload More >>

Select "**Production Migration**"

OLIS Hub Management Console CST

⌂ Home

Dashboard

Dashboard CST

Nomenclature

CST Upload

Production Migration

Practitioner

ⓘ This functionality is available in Production environment only.
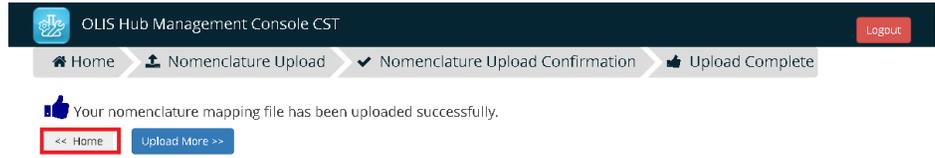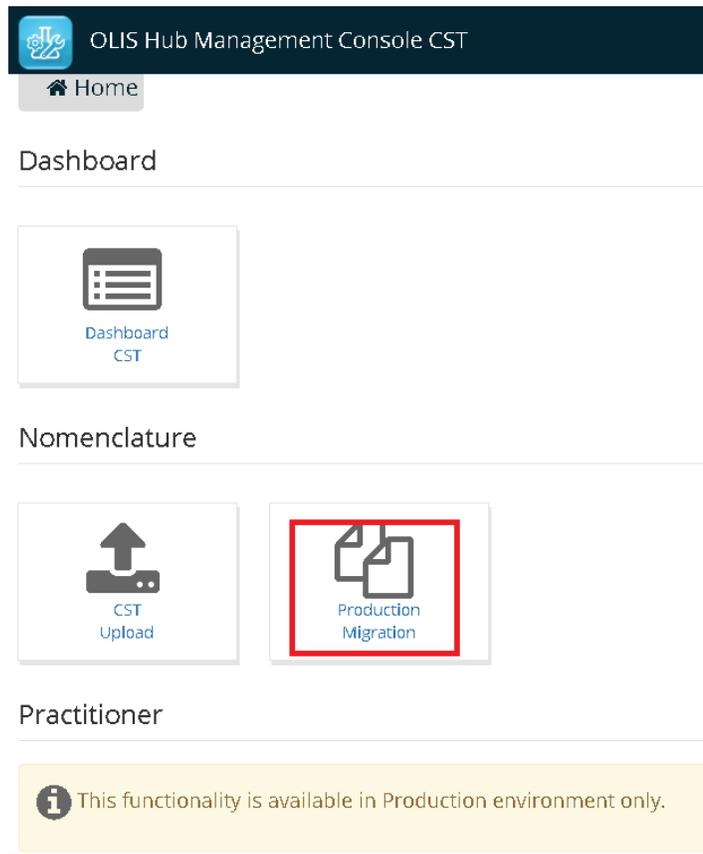
The "**Nomenclature Migration**" screen appears.

Select your site from the drop down menu and a list of mapping files will be populated

Select the most recently dated entry, then select "**Migrate**"

Note: make note of the date of the file that you will later use to confirm successful update in the production environment. See next steps.

The "**Migration Complete**" confirmation appears

Click the "**Home**" icon to return to the hub management console and log out.

Log out of the **CST environment**

Next, log into the OLIS Hub Management Console - Production

https://olishubconsole.
ontariohealth.ca

Enter your Production ONE ID login

The console will automatically launch.

A list of recently loaded file is displayed.

Locate the file from the migrated list using the date noted in your previous steps.

The list will show the most recently posted date first as seen in this example

1.5 *OLIS Hub Management Console Health Practitioner Updates*

In OLIS, the license number assigned to the practitioner by the applicable health profession regulatory college in Ontario identifies practitioners. The names and abbreviations of the registration numbers for each physician type is as follows:

- Physicians: College of Physicians and Surgeons of Ontario (CPSO) registration number

- Dentists: Royal College of Dental Surgeons of Ontario (RCDSO) registration number

- Nurse Practitioners: College of Nurses of Ontario (CNO) registration number

- Midwives: College of Midwives of Ontario (CMO) registration number

- Naturopaths: College of Naturopaths of Ontario (CONO) registration numbers.

- Pharmacists: College of Pharmacists (OCP) registration numbers

-

The OLIS Hub Management Console facilitates the one-to-one mappings of each unique internal practitioner identifier (stored in the Site's LIS) to the corresponding CPSO, RCDSO, CMO, CNO, CONO or OCP registration number, stored in the Corporate Practitioner Database (CPDB) in OLIS. The Ministry of health by way of nightly data loads updates the CPDB. Site administrators must map any locally stored practitioner identifier numbers (CPSO, RCDSO, CNO, CMO,CONO and OCP) to the registration number found in OLIS CPDB

1.5.1 Create Practitioner Mapping

Log into the OLIS Hub Management Console Production - https://olishubconsole.ontariohealth.ca

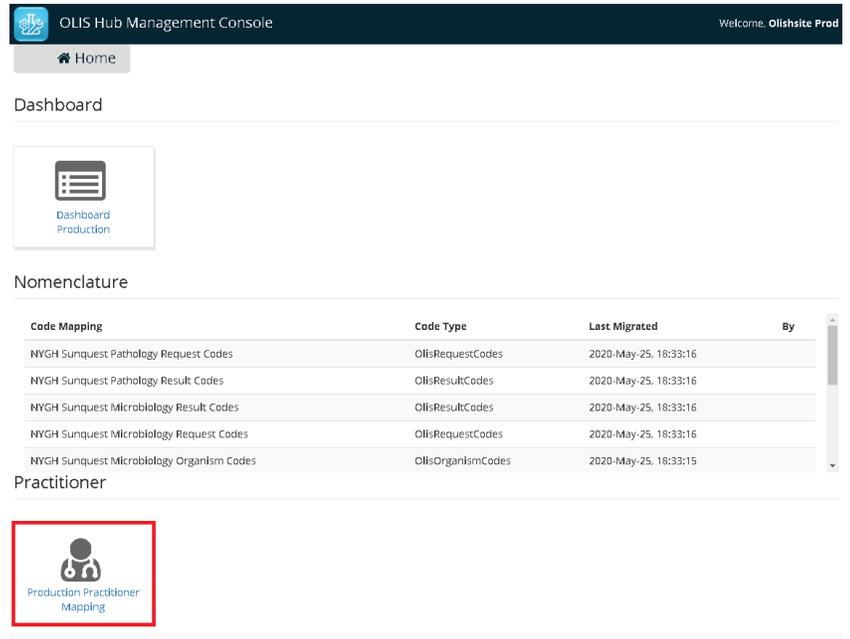Firstname.Lastname@ONEID.ON.CA

OLIS Hub Management Console
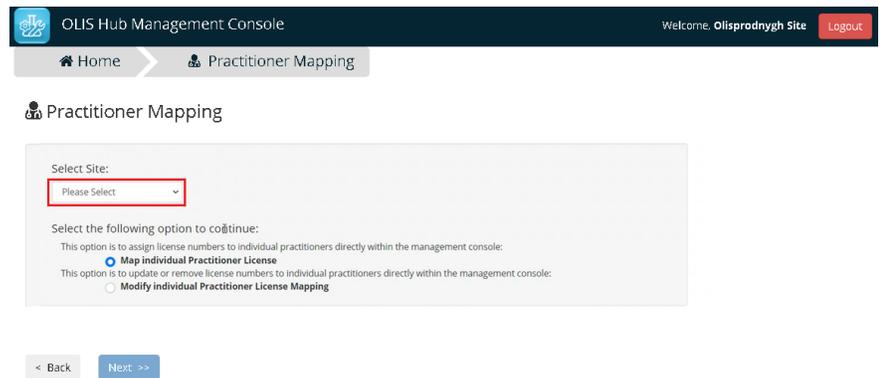
Sign in with ONE ID

🔒 ONE ID

Please click on the ONE ID button above to start the login process by using registered ONE ID account.

From the "**Home**" screen of the OLIS Hub Management Console, select "**Production Practitioner Mapping**"

The "**Practitioner Mapping**" screen appears

Select your site's name from the menu.

You will see the options to "**Map individual Practitioner License**" or "**Modify individual Practitioner License Mapping**", for this example choose the option to "**Map individual Practitioner License**" then click "**Next**"
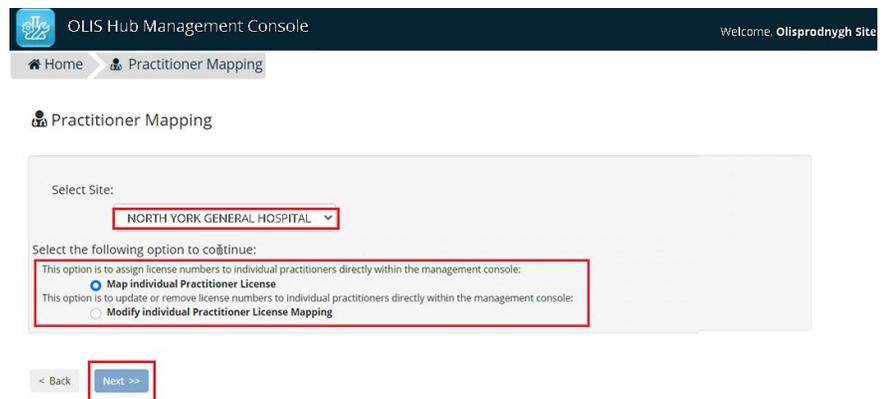
Select the healthcare practitioner type from the drop down menu and type the practitioner Last Name, First Name and Local ID

You may tab or click to each field to enter the required information until suggestions appear

A link to a list of suggested practitioners found, matching the information provided, will be displayed,

Click on the suggestions icon to see the full list

Click "**Select**" next to the chosen health Practitioner

If there are a lot of matching practitioners it may be necessary to select the next page until you locate the health care practitioner that you wish to map.
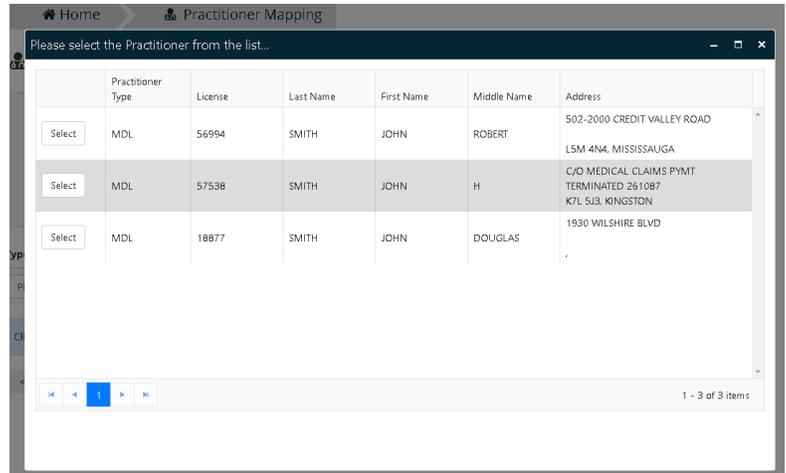
Once a matching practitioner is chosen, select "**Continue**" to complete the mapping.
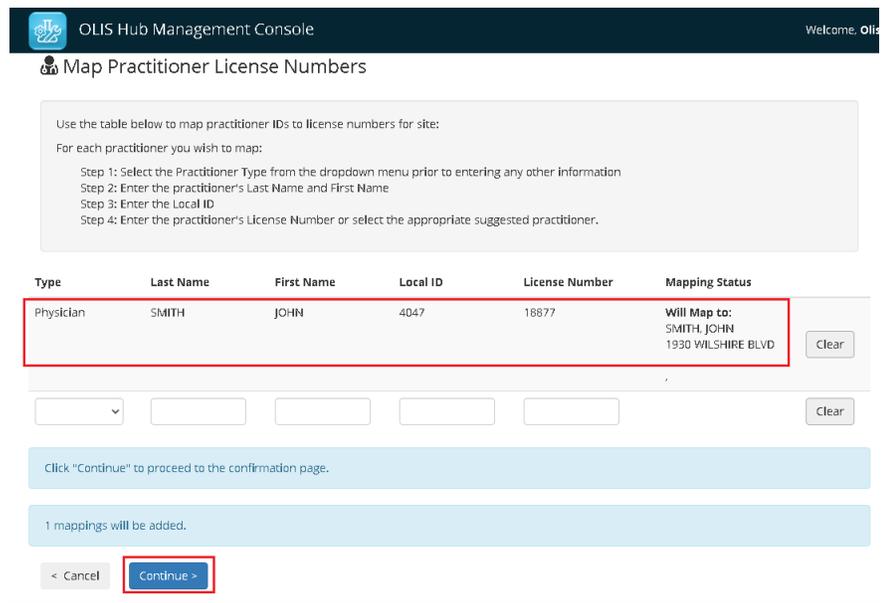
Note: You can choose to map another practitioner using the generated drop down menu to pick a practitioner from the list, or your may choose to map a single practitioner .

Click "**Continue**" to complete mapping a single practitioner

Note: When additional practitioners are selected for mapping they will appear on a single page. Once all practitioners are selected click "**Continue**" to complete. In this example two practitioner s will be mapped.

The confirmation page will appear.

Note:You are again given the opportunity to map other practitioner s if you need to by selecting the "**Map More**" button

The "**Practitioner Mapping**" window will appear where you can select your site name and repeat the steps above, to map a practitioner.

If you select "**Back**", you will be taken back to Hub Management Console landing page

You can logout or perform other tasks within the console as needed.
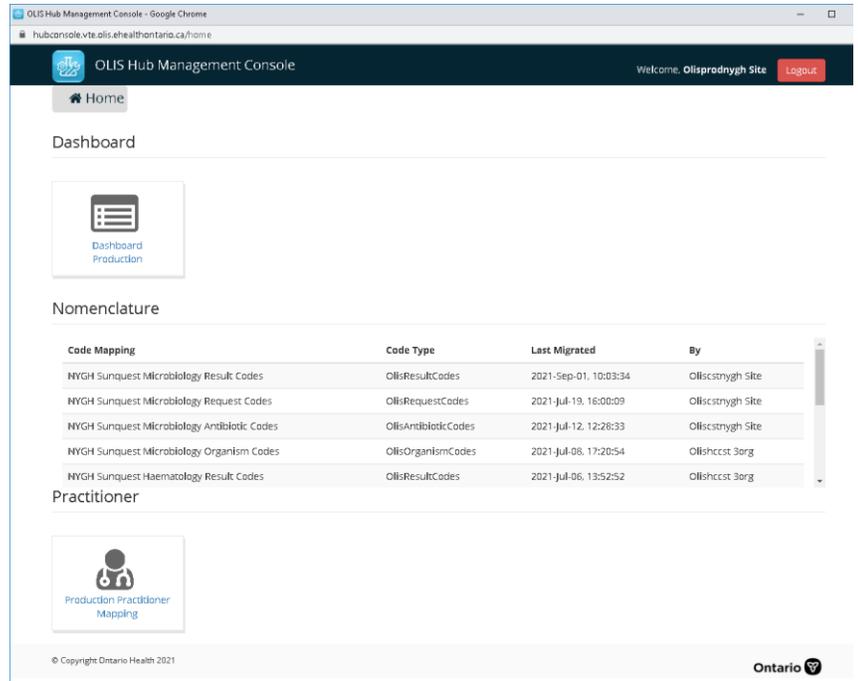
1.5.2 Update Practitioner Mapping
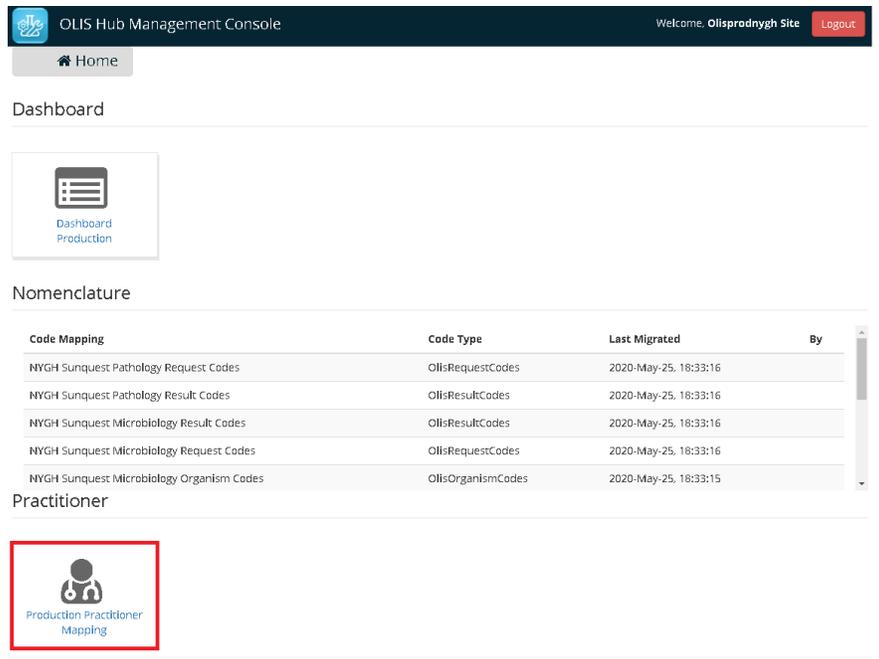
Select "**Production Practitioner Mapping**"

Select your site's name from the menu.

You will see the options to "**Map individual Practitioner License**" or "**Modify individual Practitioner License Mapping**"

In this example, select "**Modify individual Practitioner License Mapping**" then click "**Next**"

The "**Modify individual Practitioner License Mapping**" page appears.
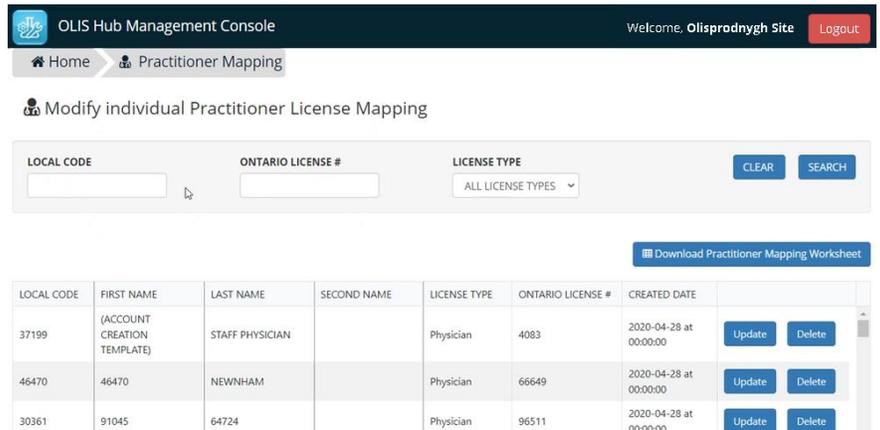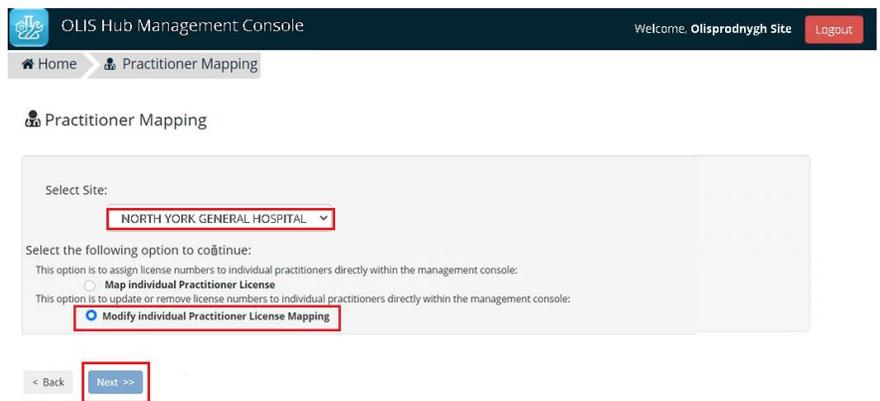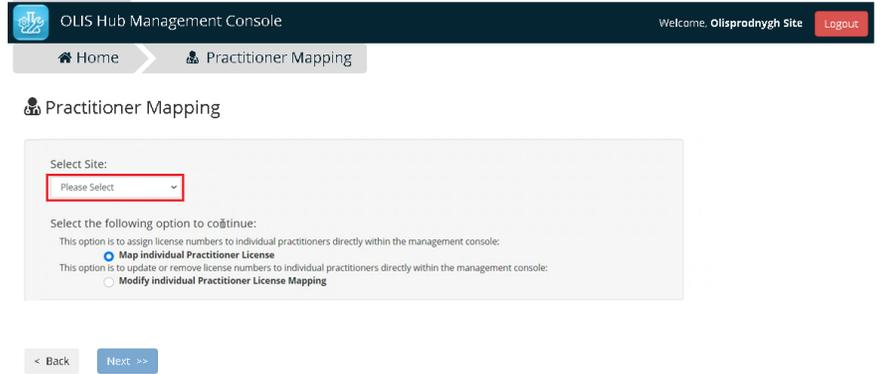
You may perform a license number search by entering the license number then click "**Search**"

You may also perform a search by Local Code by entering a known local code and selecting "**Search**"

This will any provider currently mapped to that local code

To perform an update to a provider located by their license number, enter the license number and select "**Search**"

The provider is currently mapped to a local code

You may change that local code using the "**Update**" button.

Note: Local Codes must be unique and cannot be used if that code is currently mapped to another provider

Enter a new Local code, the window will automatically refresh when you click or tab away from that field

The window will refresh to display the informational note

Click "**Submit**" to complete the change or click "**Cancel**" if you wish to abort the change

The list is updated with the new code

A search of the previous Local code returns no records.

1.5.3   Delete Practitioner Mapping
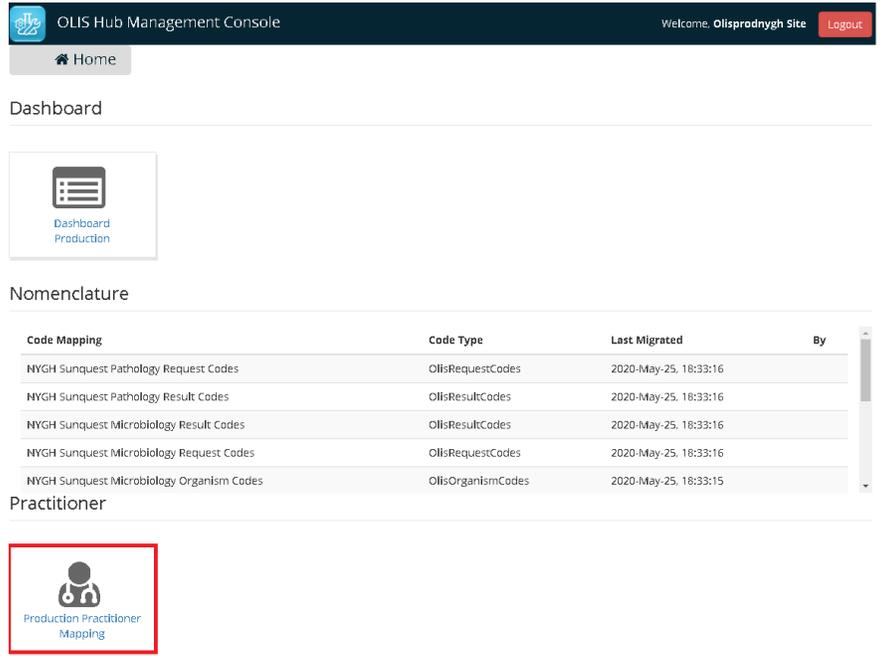
Select "**Production Practitioner Mapping**"

Select your site's name from the menu.

You will see the options to "**Map individual Practitioner License**" or "**Modify individual Practitioner License Mapping**"
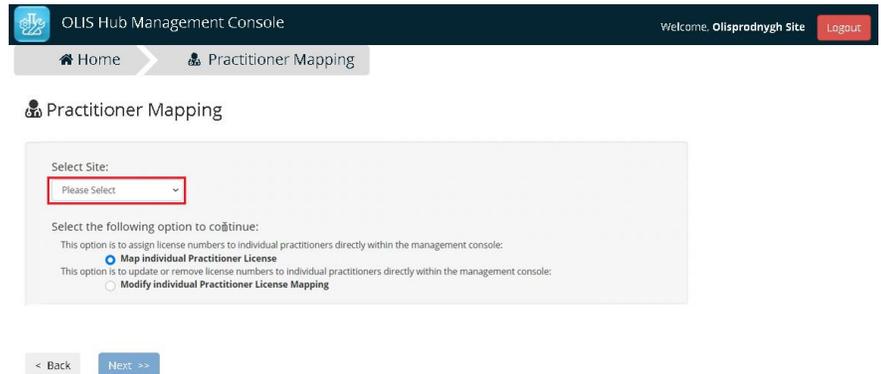
Select for the purpose of this exercise choose the option to "**Modify individual Practitioner License Mapping**" then click "**Next**"

The "**Modify individual Practitioner License Mapping**" page appears.

Perform a License number search

Select the "**Delete**" button to delete the mapping

The informational note appears

Click "**Delete**" to complete the removal or click "**Cancel**" if you wish to abort the change

A search by license number returns no available records

2 Troubleshooting and Support

This section covers when to place a service request with the Ontario Health Service Desk for assistance. Possible support scenarios could include the following:

2.1 Errors

2.1.1 Interface Status and Connection errors

Status errors can be viewed from the dashboard

Support Flow
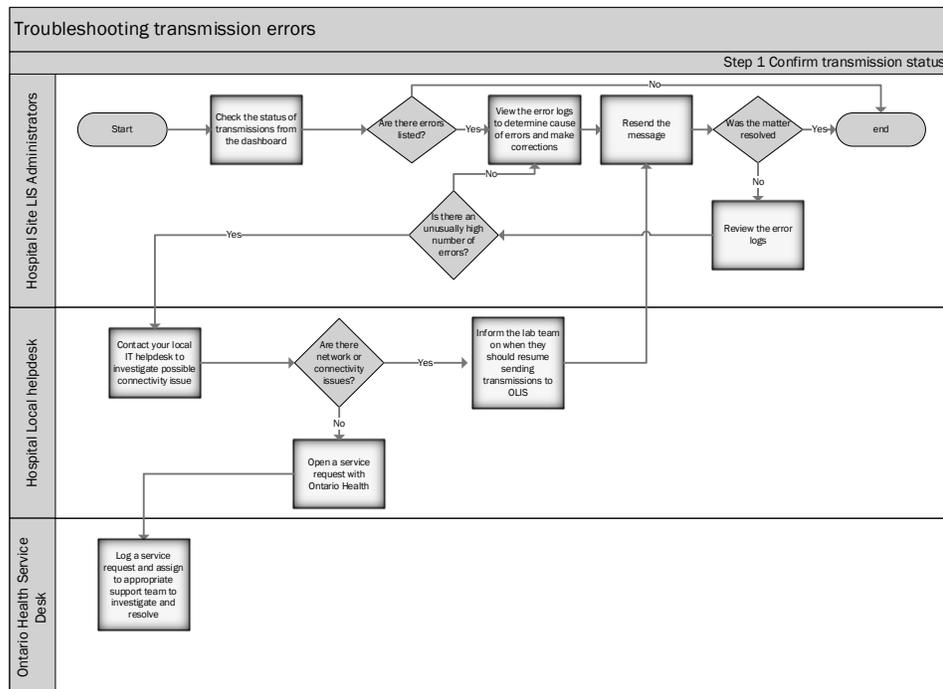
2.1.2 Nomenclature – Test Code mapping error

1. Review the Last updated Message sent (See Modality section of the Nomenclature Updates – CST step
2. Confirm identified code in the error message is contained in the last uploaded mapping file
3. If the update does not appear, update the mapping file with the correct code, then upload the updated mapping file

2.1.3 Nomenclature – File Type Error

Ensure the file uses the acceptable delimiters and the format for the file being uploaded is either .TXT, .CSV or.XLS.

2.1.4 Nomenclature – Upload Progress Bar issue

In some instances while uploading the nomenclature file, you may notice that the progress bar continues to load without any indication that the upload has completed. Please wait 10 minutes for the upload process to be completed then refresh the web page.
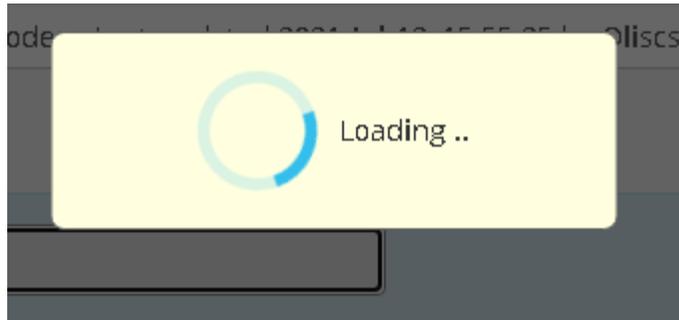
Go back to nomenclature uploaded list to see the timestamp of the most recent file

(See Modality section of the Nomenclature Updates – CST where you will see the information showing the file count change from the list

This is currently an issue with very large files. This issue will be resolved in a future version of the application
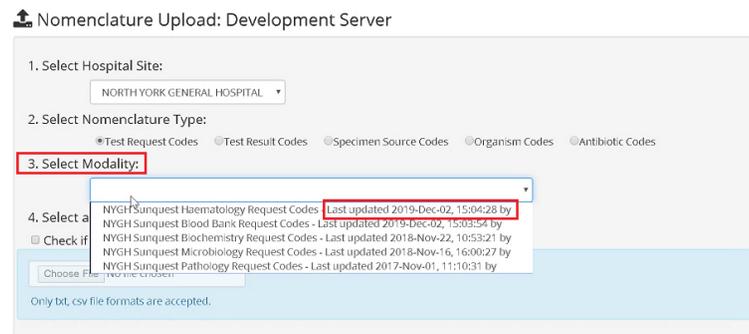
2.1.5 Nomenclature – Upload Generates Errors in the Log file

While the updating is occurring, messages submitted containing nomenclature codes contained in the updated file may fail to file as mapping is unable to occur. In addition, if there is a transmission failure during the process, additional message failures may occur and will appear in the error logs as mapping errors. Please check the error logs after performing a Nomenclature update for such errors and resubmit the impacted messages.

For this reason it is strongly recommended that nomenclature updates be performed outside of peak reporting periods to decrease the number of messages required to be resubmitted.

2.1.6 Nomenclature – Upload Timestamp not updated

In some instances while uploading the nomenclature file, you may notice that the time stamp has not changed.

Attempt to load the file again. If the problem persists, consider loading

the previously successfully loaded nomenclature file then open a service request with Ontario Health to address.

2.1.7 Practitioner mapping error

Download the Error Worksheet
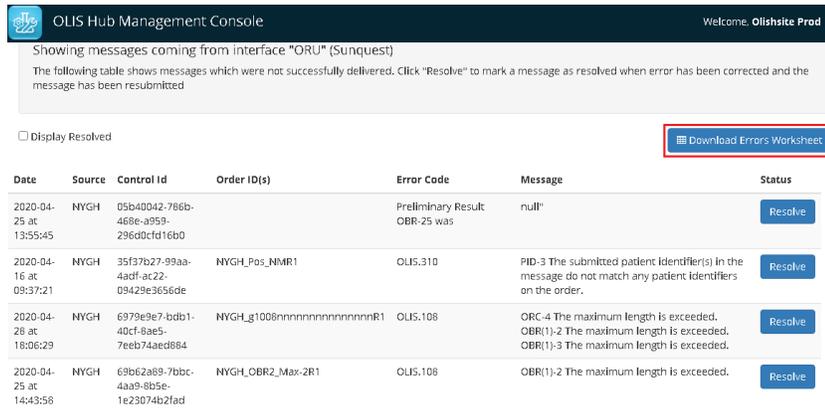
Review the OLIS Hub status error log for the "Unable to map practitioner with "####" for site...
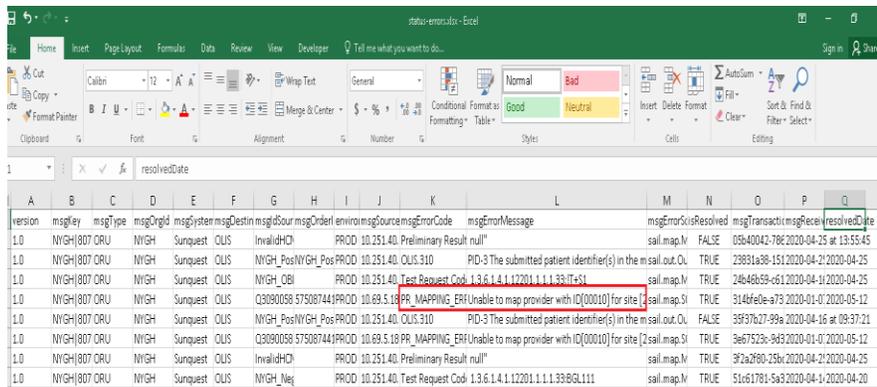
Review message in the error log then map the practitioner name to the code. See the "OLIS

Hub Management
Console Health
Practitioner Updates"
section for steps on how
to complete this update.

2.1.8 OLIS Business Logic Errors (e.g. error 115, error 310)

The complete list OLIS logic error codes are published in the OLIS Interface Specifications document and is included in Appendix A of this document. Codes may be added from one version of the document to the next. To access the current version of the OLIS Error Code table ensure that you have downloaded the most recent version of the OLIS Interface Specifications from the Ontario Health website under Client Support. Refer to Appendix A.

OLIS Business logic errors
Examples:

Incomplete Message

Incorrect Message

Invalid Message

Refer to the OLIS specification document in Appendix A

2.2 Results submitted to the Wrong patient

Ensure you have taken steps to invalidate the results sent to the wrong patient. Refer to the OLIS specification document in Appendix A for steps on how to do this. If your interface does not support invalidation, then Ontario Health has the ability to logically delete results submitted in error to the wrong patient. Contact Ontario Health service desk to place this request, you will be asked to provide the following information:

- The reason for making the request for logical deletion
- The order ID – this unique ID identifies a lab report
- The transaction ID, if known
- The date and time the result was sent to OLIS
- The name of the tests submitted

2.3 Missing Practitioner name from OLIS Hub Management Practitioner mapping list

If you are unable to locate a practitioner on the look-up list, and the practitioner has a valid registration number, contact Ontario Health's service desk to place a service request to have the practitioner information updated

2.4 Questions about test request or test result codes in the nomenclature file

If you have questions pertaining to a test request or a test result codes used, test code mapping requests or questions about the posted nomenclature file, please contact Ontario Health's service desk to place a service request.

If you have questions pertaining to where to download the nomenclature file.

The nomenclature file can be downloaded here: https://ehealthontario.on.ca/OLIS-nomenclature

Appendix A

Ontario Health (Digital Services) Support Service desk

Phone 1-866-250-1554

OH-DS_servicedesk@ontariohealth.ca

OLIS Interface Specification Document

https://ehealthontario.on.ca/files/public/support/OLIS_Interface_Specifications_EN.pdf

OLIS Business Logic Error Codes

Error Code	Description	Error Points To
100	Segment sequence or cardinality error	Nothing
101	The field must not be empty	Field
102	Data type error	Field
103	The identifier or code '{0}' is not a valid value	Field
104	The value '{0}' was submitted but '{1}' was expected	Field
105	The following identifier or code is not active: '{0}'	Field
106	The message contains data that is not valid in the ISO8859/1 character set.	Nothing
107	The field must be empty	Field
108	The maximum length is exceeded	Field
109	The specified value is incorrect: {0}	Field
110	The structure and/or content is not valid for the following parameter: '{0}'	SPR.4 Parameter List
111	The value '{0}' cannot be future dated	Field
112	Note identifiers must be unique	Segment
113	Data must not be submitted in HL7 fields not supported by OLIS	Field
115	The sending application is not mapped to the certificate.	Nothing
117	The number of repeating elements falls outside the range of the allowed number of repetitions	Field
118	The field must contain the same value on all test requests in the order	Field
119	The value '{0}' is not valid relative to other information in the order	Field
120	The value in this field cannot be changed because a test result(s) exists	Field
121	The value in this field cannot be changed by the system or user that submitted the request	Field
122	The value in this field cannot be changed	Field
123	The test request code '{0}' and test result code '{1}' combination is unknown to OLIS. Please review for validity.	Field
124	The amending message is missing a required test request	Segment
125	The value provided {0} cannot be used in conjunction with the value provided in {1}	Field
126	The value {0} for amendment does not exist in OLIS repository	Segment
127	The sending application is not authorized to perform the action indicated in {0}	Field
200	The submitted message type is not recognized	Nothing
204	The Order ID '{0}' does not correspond to any order in OLIS	Field
205	The identifier '{0}' must be unique	Field
302	Name format rule violation	Field
303	Health card reported lost	Field
304	Health card reported stolen	Field
305	Identifier format validation failed for ID '{0}'	Field

Error Code	Description	Error Points To
306	Multiple patient identifiers of the same type are not permitted	Field
307	Patient identifiers can be added but not modified	Field
308	The submitted Patient ID type is not valid for MOHLTC-funded tests	Field
309	A non-nominal patient identifier must not be submitted with other patient identifiers	Field
310	The submitted patient identifier(s) in the message do not match any patient identifiers on the order	Field
311	Different values or notes cannot be reported for the same test result with the same Test Result Release Date Time	Segment
312	No changes are permitted to an expired test request	Segment
313	Payer must be the same or Self for all test requests in the order	Field
314	A Physician Office Test must be ordered, collected, and performed by the ordering physician	Segment
315	Specimen information can only be changed by a laboratory or the specimen collector	Field
317	Test requests may only be added or amended by a laboratory because a specimen has already been collected	Segment
318	Warning: The requested test request level block will not restrict access to the information until such time as test-request-level locking is permitted by OLIS	Field
319	Clinical relationship assertion required	Nothing
320	Warning: Some or all of the requested laboratory information was not returned due to a patient consent directive. If appropriate, the query may be resubmitted with an override.	Nothing
322	The test request date must not be more than 13 months in the future	Field
323	OLIS has found a consent directive in effect and hence the order cannot be referred via OLIS. Please follow alternate referral processes to complete the reporting.	Field
324	Maximum search range must not exceed {0}	Nothing
330	The identifier or code {0} is not valid. OLIS will remove the value to persist the data. Please ensure the accuracy of the data.	Field
401	The system that submitted the message has not passed conformance testing	Nothing
402	The laboratory is not authorized to perform the following test: '{0}'	Field
403	The practitioner is not authorized to order the following test: '{0}'	Nothing
404	Not authorized	Nothing
901	Warning: Health card version code is incorrect	Nothing
902	Warning: Patient does not have current OHIP coverage	Nothing
904	Patient name, sex, and/or date of birth is not current	Field
905	Warning: The value in this field cannot be changed by the user or system that submitted the request. The proposed change has been ignored.	Field
906	Warning: The value '{0}' was submitted but '{1}' was expected"	Field
907	Warning: The specified value is incorrect: '{0}'	Nothing
911	Warning: The format of the content used in '{0}' will be deprecated in the future. Please make necessary changes to your interface to support the standard format defined in the OLIS interface specifications or reach out to eHealth Ontario for further assistance.	Field
912	Warning: The content you have submitted in the '{0}' contains unnecessary space(s). OLIS will remove these space(s) to persist the data. Please ensure the	Field

Error Code	Description	Error Points To
	accuracy of the data.	
913	Warning: The organization information {o} is not current.	Field
920	Warning: At the time the query was submitted to OLIS, a patient-level block consent directive was in effect.	Nothing
923	OLIS has found a consent directive in effect for the order {o} and has been removed from the result set of the query. Please follow alternate referral processes to complete the reporting.	Field
924	Warning: Order {o} contained a virus that has been removed.	Field
925	Warning 925: The submitted consent directive was not applied in OLIS.	Nothing
926	The following identifier or code {o} will be deprecated {as of 1}	Field
927	The following identifier or code {o} is no longer active {as of 1}. Please choose an appropriate code as this code will be rejected in the future.	Field
928	Warning: Order '{o}' contained duplicate notes that have been removed.	Field
999	Host Processing Error	Nothing

Refer also to the "Business Rules and Considerations for Implementation" sections of the specification documents for error codes specific to message cardinality.