

Telus PS Custom Queries

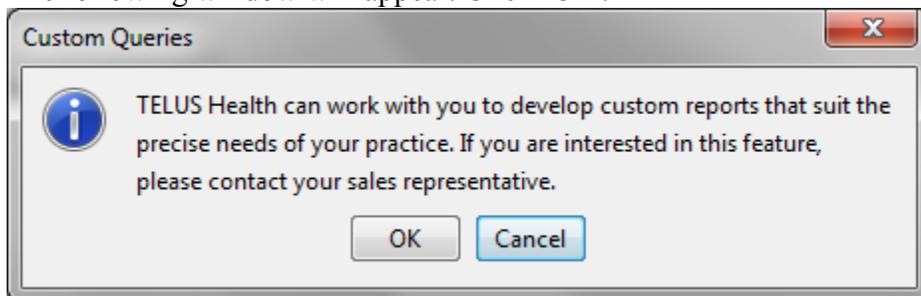
Background

East Wellington Family Health Team worked with Telus and CognisantMd to design a set of custom queries to extract data from custom forms. This functionality was not otherwise available in PS. One custom query pulls all items from custom forms, while the other pulls only named items from the form.

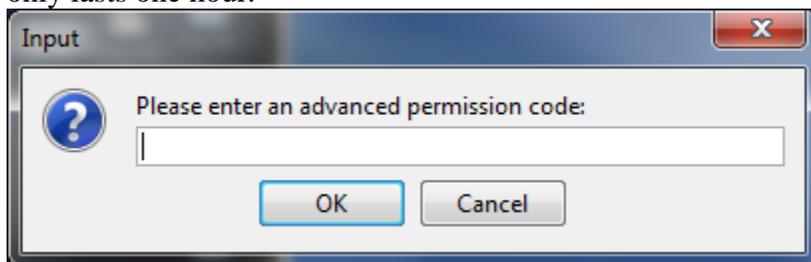
This new data extraction tool can be used for any custom form and is a quick and efficient method for pulling data from the EMR.

Loading the queries

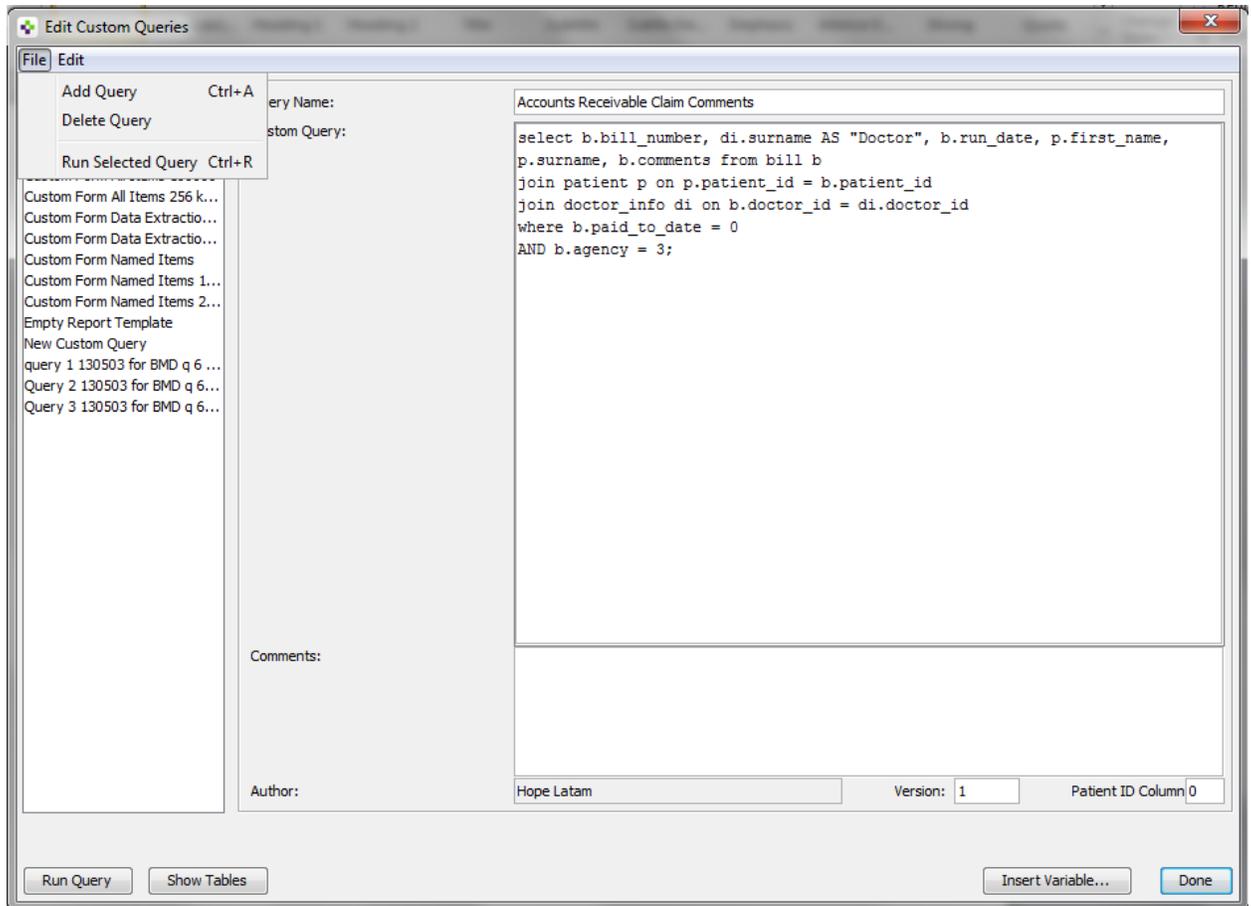
1. From the PS dashboard select Reports->Custom Queries->Edit Custom Queries
2. The following window will appear. Click 'Ok'.



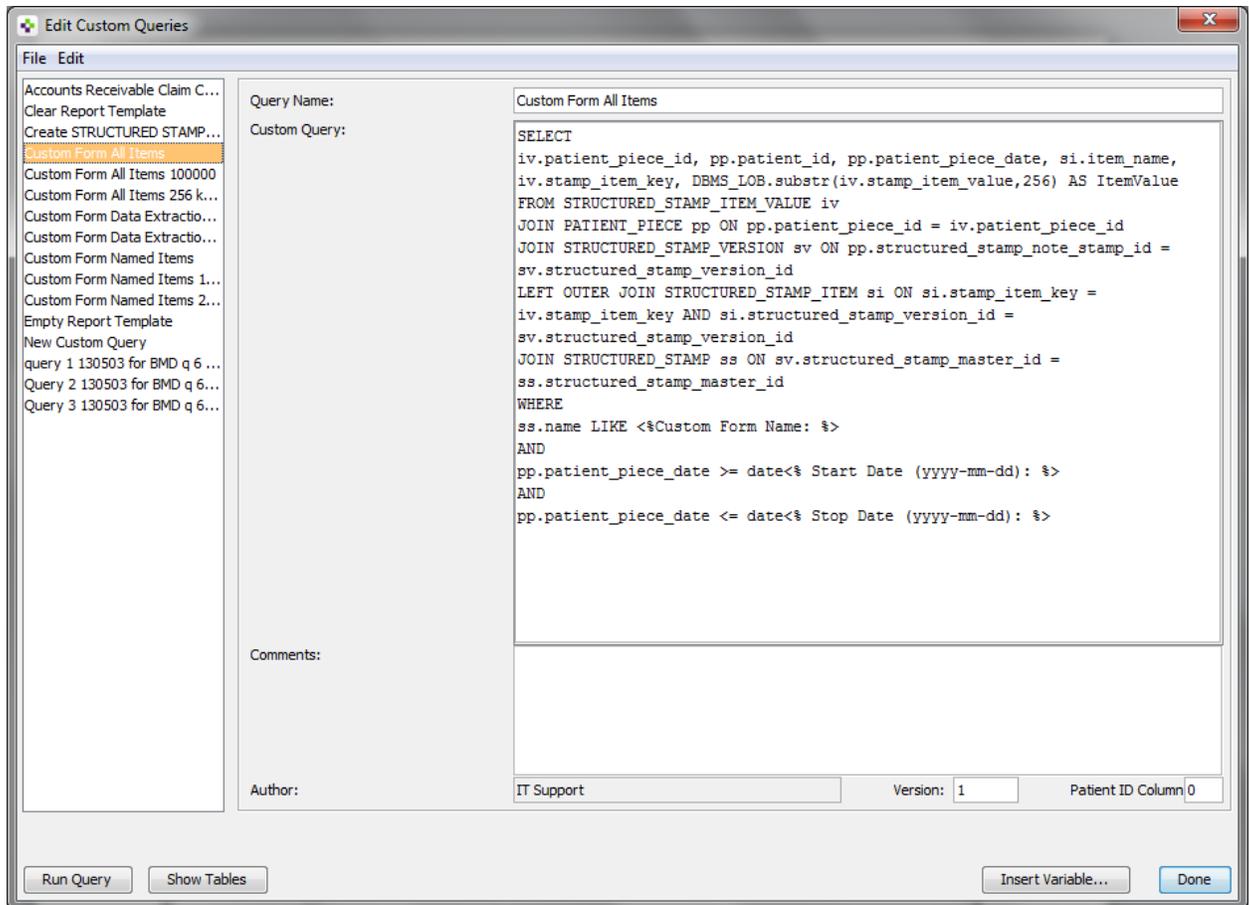
3. Unlock the custom query editor with the code provided by Telus. The code generated only lasts one hour.



4. Select File->Add Query



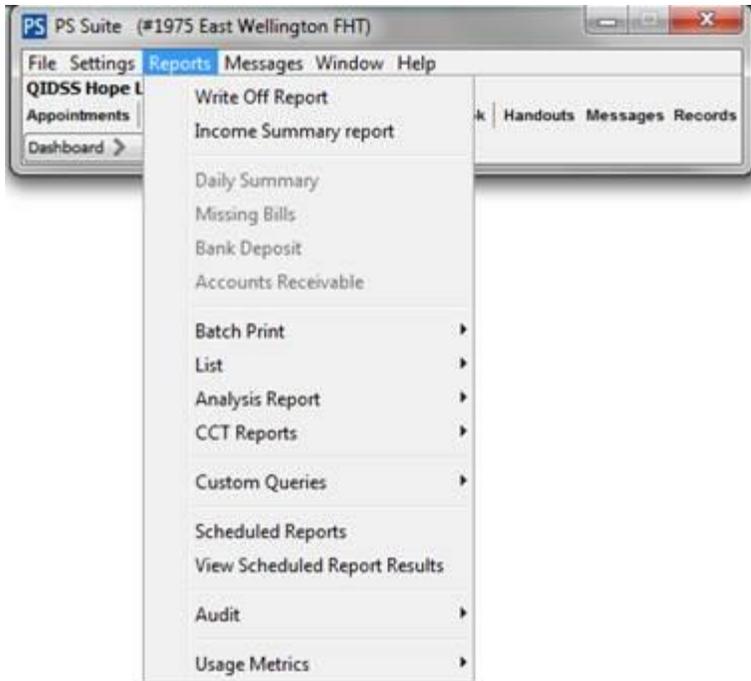
5. Specify a name for the new query (names are specified in the document containing the queries)
6. Copy the query syntax from the text file, and paste it to the editor as below:



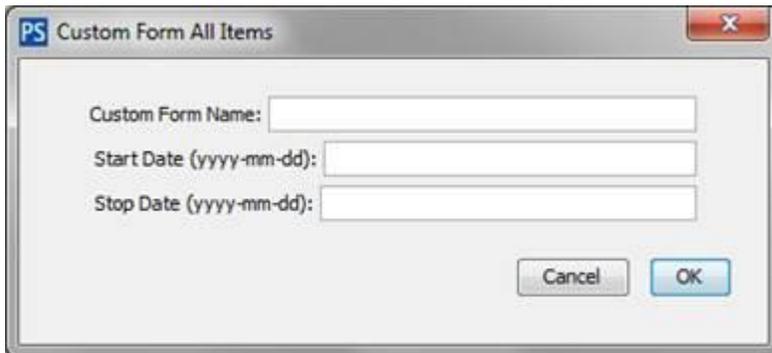
7. Select 'Done' in the bottom right hand corner.
8. Repeat the above steps for the second query

Testing the queries

Once the queries have been loaded it is recommended that you test them at an off-peak hour in your office. The queries you've added will be found here under Reports->Custom Queries:



When the query is selected the window below will appear:



Enter the name of a custom form in your EMR, and then a small date range (1-2 days) that includes dates that the form has been entered in your EMR. A window similar to the following will appear when the query is complete.

PS Custom Form Named Items

Report

Custom Form Name: : Patient Encounter Tracker - PET Start Date (yyyy-mm-dd): : 2014-08-01 Stop Date (yyyy-mm-dd): : 2014-08-04

PATIENT_PIECE_ID	PATIENT_ID	PATIENT_PIECE_DATE	ITEM_NAME	STAMP_ITEM_KEY	ITEMVALUE
1351861	26247	Aug 1, 2014	Loop monitor	item614	false
1351861	26247	Aug 1, 2014	Spirometry	item615	false
1351861	26247	Aug 1, 2014	Suture staple removal	item617	false
1351861	26247	Aug 1, 2014	Venupuncture	item618	false
1351861	26247	Aug 1, 2014	Vitals Measurements	item619	false
1351861	26247	Aug 1, 2014	Wound care	item620	false
1351861	26247	Aug 1, 2014	Other procedure	item621	false
1351861	26247	Aug 1, 2014	Other procedure description	item622	false
1351861	26247	Aug 1, 2014	Procedures	item623	true
1351861	26247	Aug 1, 2014	Other Type of Contact with Pa...	item640	
1351861	26247	Aug 1, 2014	Type of Contact with Patient	item641	Lab
1351861	26247	Aug 1, 2014	Direct Patient Encounter Time	item729	5
1351861	26247	Aug 1, 2014	Time Stamp	item748	9:57AM
1351861	26247	Aug 1, 2014	Indirect Patient Encounter Time	item793	0
1351861	26247	Aug 1, 2014	IHP	item809	RPN
1351861	26247	Aug 1, 2014	Appointment Outcome	item826	Not applicable
1351861	26247	Aug 1, 2014	Other Primary Presenting Heal...	item830	
1351861	26247	Aug 1, 2014	Liquid nitrogen	item833	false
1351861	26247	Aug 1, 2014	Flu shot	item835	false
1351861	26247	Aug 1, 2014	Triage	item836	false
1351861	26247	Aug 1, 2014	Telephone Status	item904	
1351861	26247	Aug 1, 2014	Clinic Specific Program or Se...	item918	Acute and Episodic Care

Running the queries

IMPORTANT: When running the queries, Telus recommends the following:

1. Always run the query first with a small date range (1 day) to reset the memory for the java application.
2. Run the queries at off peak times.
3. Only pull 1-2 months of data at a time depending on the number of forms entered within the date range (ideally the query should take less than 30 seconds to run).

Query Output

When the query is complete a report, as shown above, will appear. The report output contains 6 columns:

Patient_Piece_Id - identifies individual forms in the EMR

Patient_Id – identifies the patient chart that the form is entered in

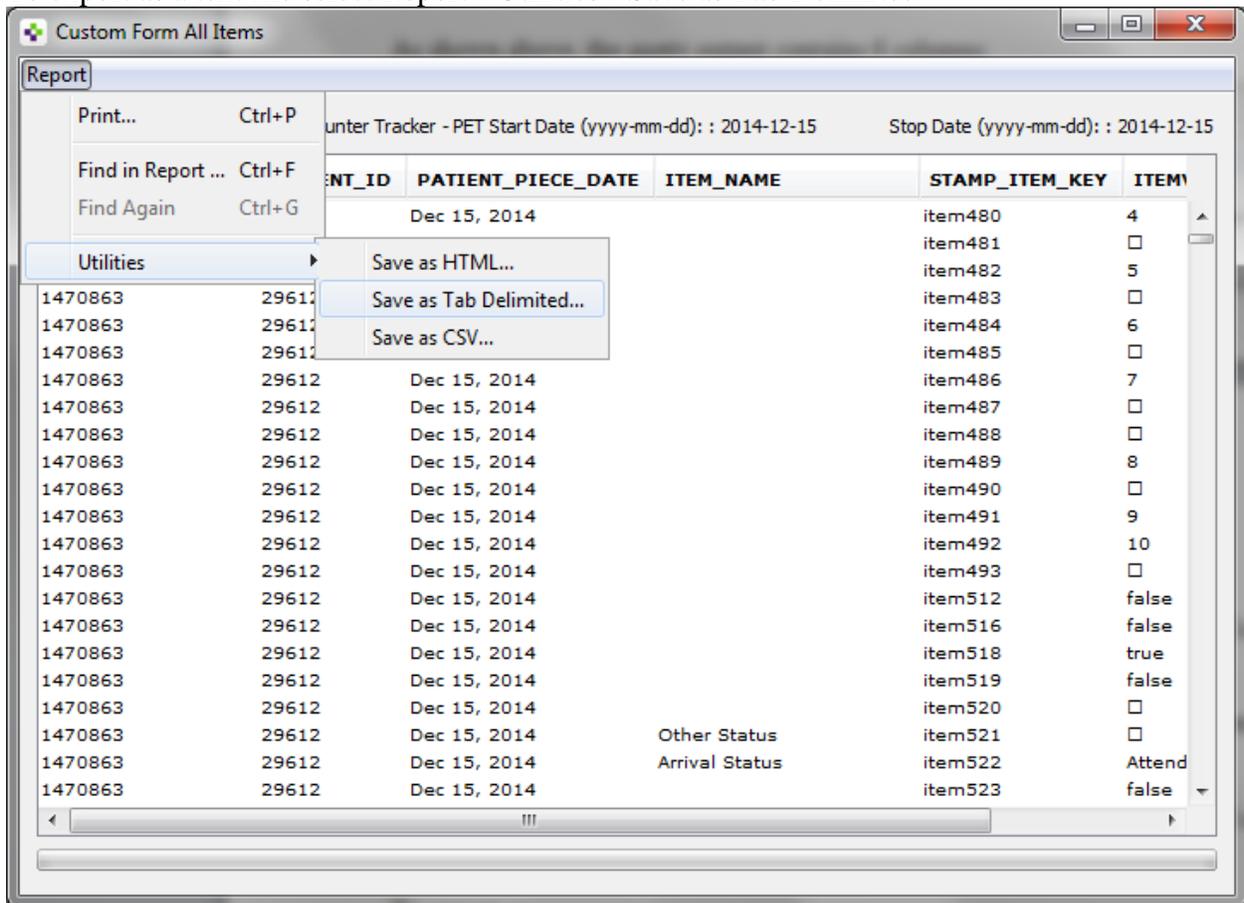
Patient_Piece_Date – specifies the date of the form

Item_Name – Includes the name of each of the items on the form. If running the query “Custom Form All Items”, some of these will be blank.

Stamp_Item_Key – Contains the Item Key of each of the items on the form. Useful for identifying items that have not been named in the “Custom Form All Items” query.

ItemValue – The value of all items on the form.

To export as a text file select Report->Utilities->Save as Tab Delimited



The text file can then be imported into excel. For quick and easy stats, simply filter the columns to obtain the data required.