NEW TOOLS & FEATURES:

Using SHRINE and i2b2 for Feasibility Studies

Nich Wattanasin
Bhaswati Ghosh
David Wang
Shawn Murphy, MD, PhD

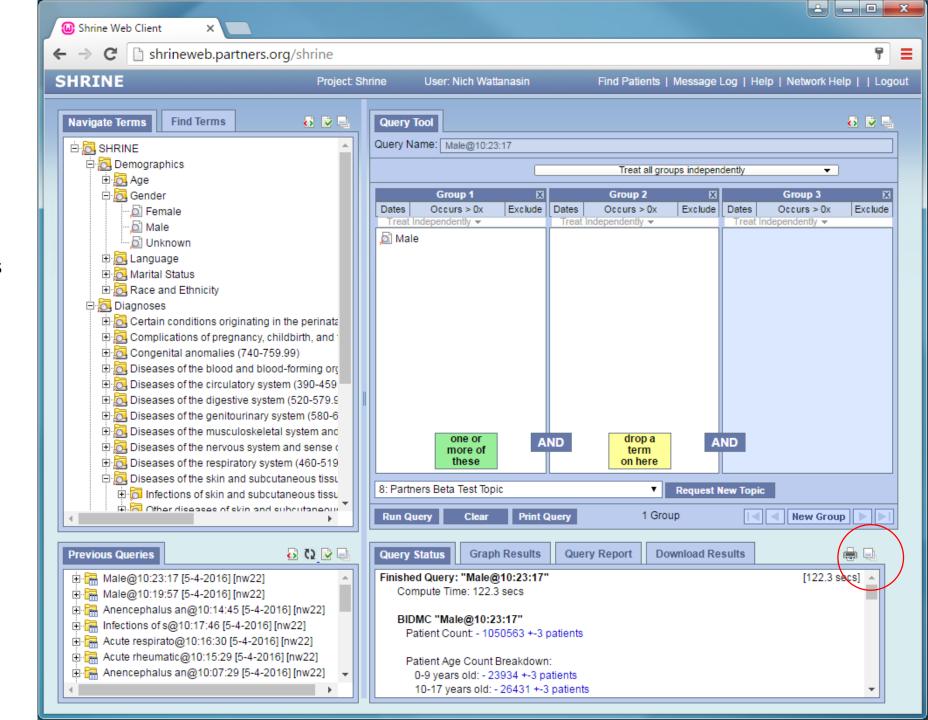
I2b2 AUG & SHRINE Annual Conference
June 21st, 2016



NEW FEATURE:

Zoom Query Status

User can now expand the query status window to view full screen results.

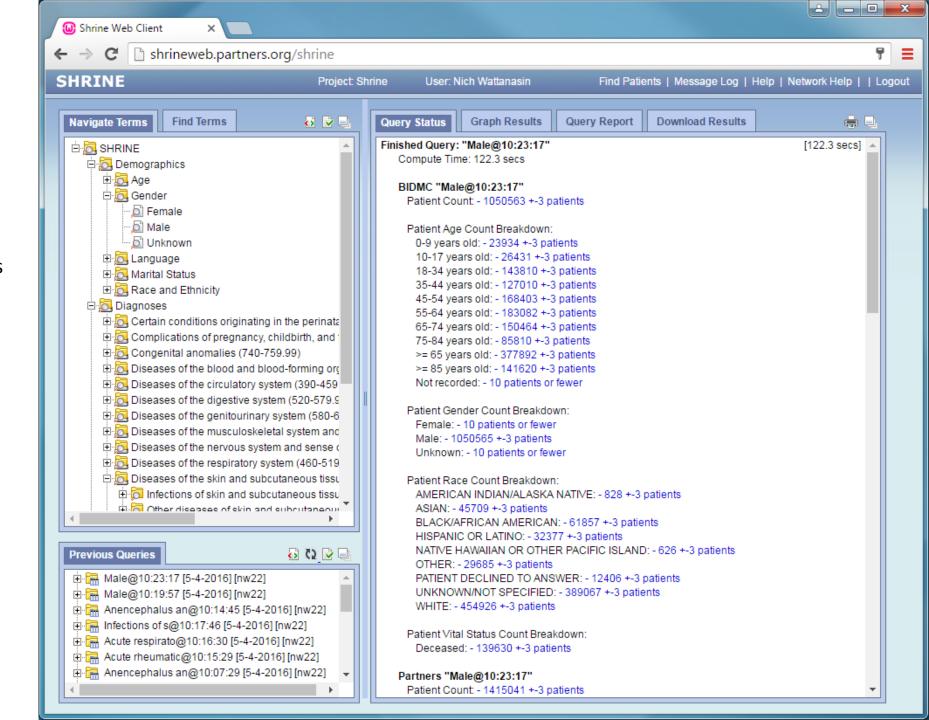




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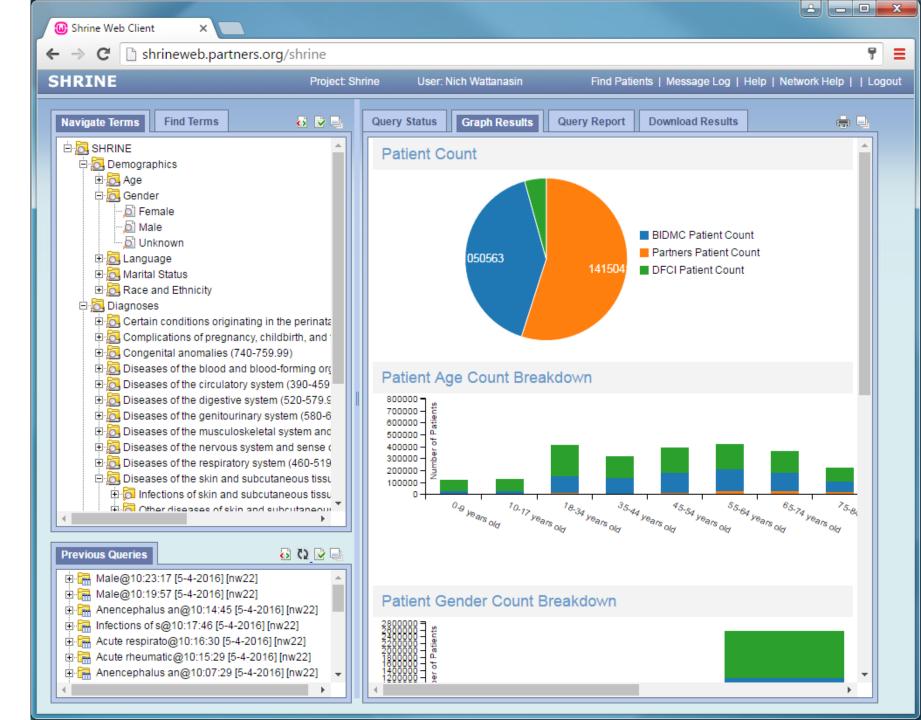


NEW FEATURE:

Graph Results

Query results can now be visualized as interactive graphs. Breakdown results are also graphed.

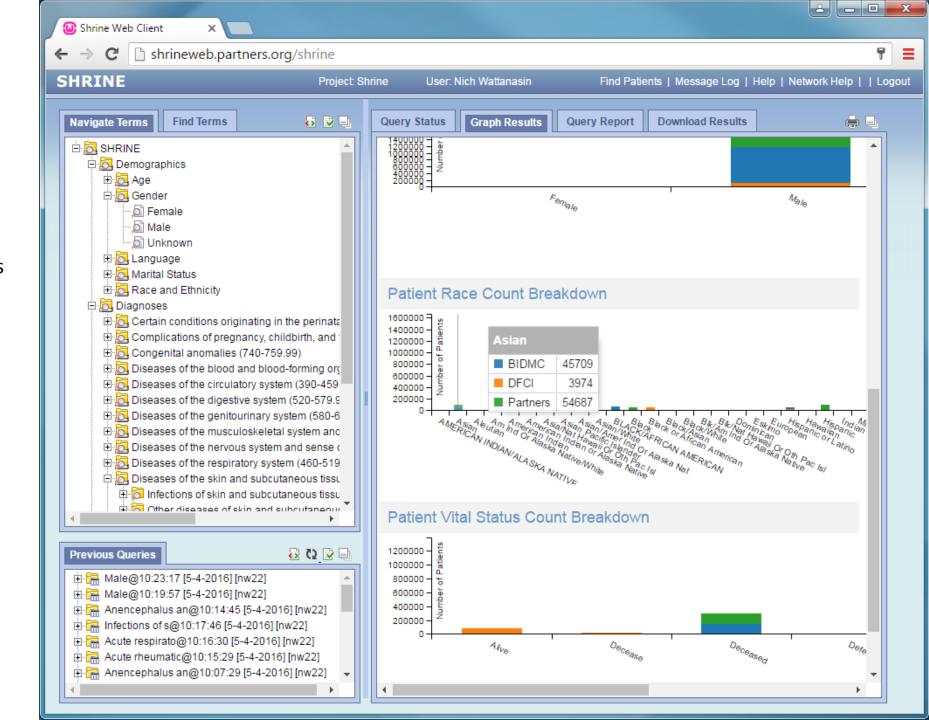




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NEW FEATURE:

Print Query Report

A printer-formatted query report has been added allowing the user to easily print query results with graphs.

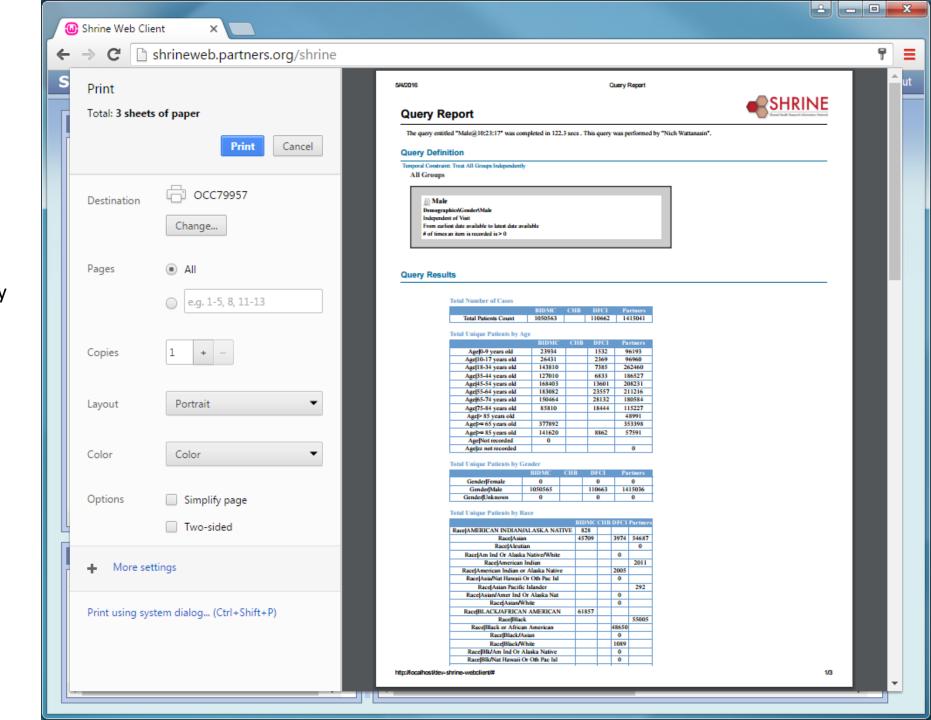




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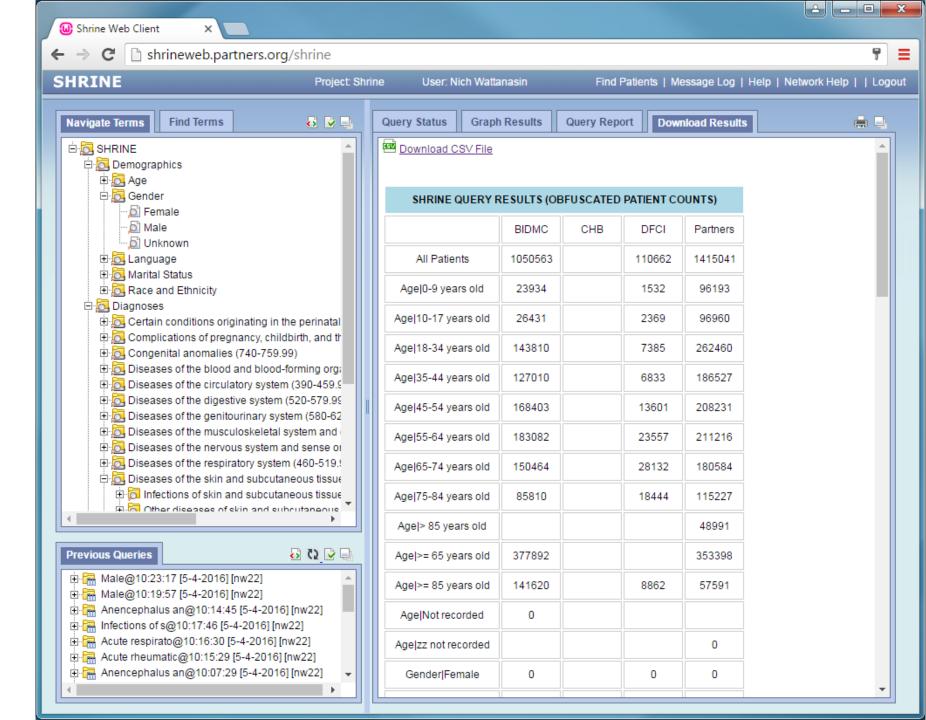


NEW FEATURE:

Download Results

Query results can now be tabular formatted and exported as an Excel/CSV file.



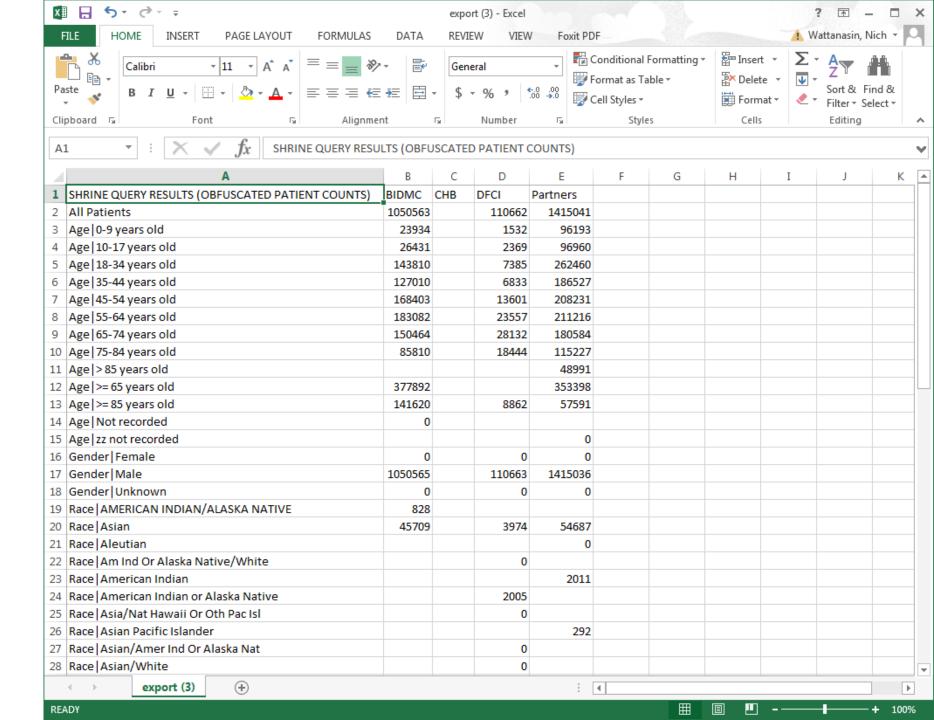


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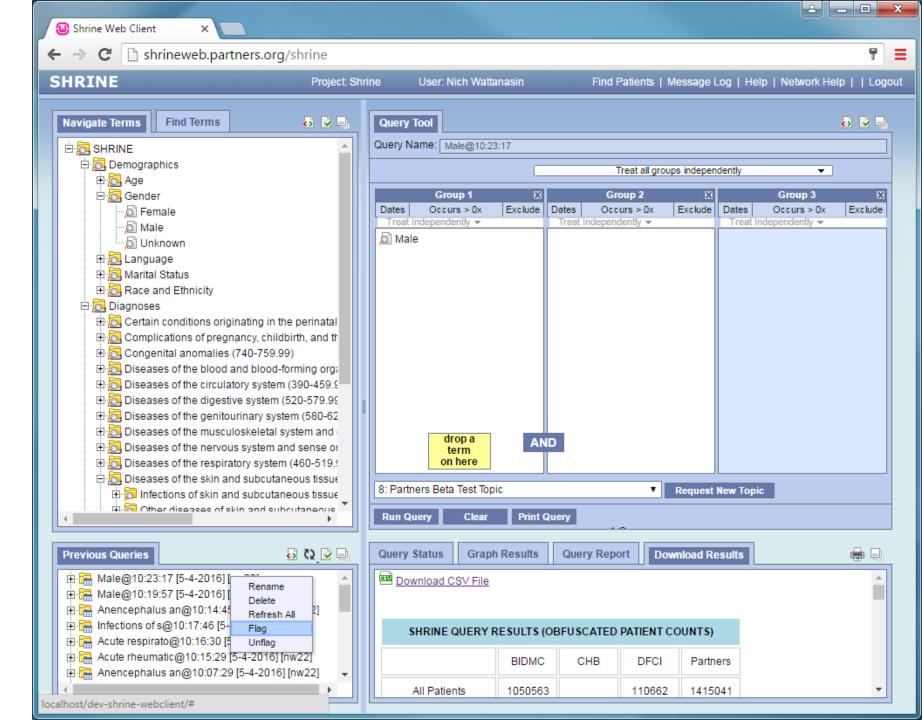




EXISTING FEATURE:

Flagging Query

SHRINE queries of interest can be flagged with a custom message to be later identified/retrieved by a local site administrator.

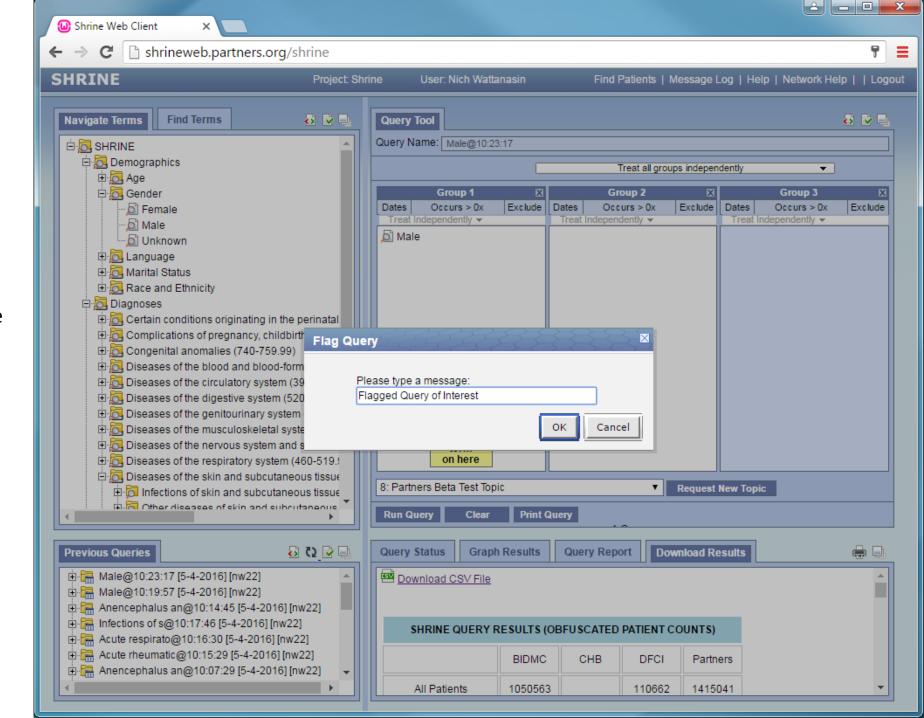




EXISTING FEATURE:

Flagging Query

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NEW PLUGIN:

User ID

researcher

researcher

researcher

researcher

researcher

researcher

researcher

researcher

Extract Patient Sets from SHRINE

From the local i2b2, the designated administrator finds the flagged SHRINE

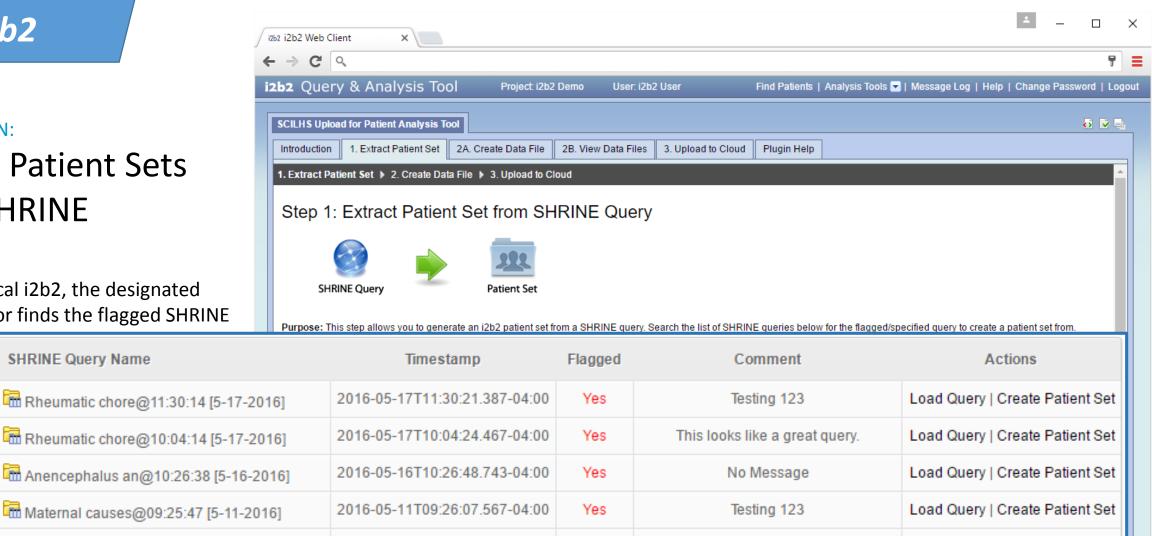
SHRINE Query Name

Unknown@13:39:55 [5-9-2016]

Maternal causes@09:11:30 [4-26-2016]

Rheumatic chore@02:01:36 [1-30-2015]

Male@10:23:17 [5-4-2016]



Testing Flag

No Message

No Message

No Message

Load Query | Create Patient Set

Yes

Yes

Yes

Yes

2016-05-09T13:40:07.460-04:00

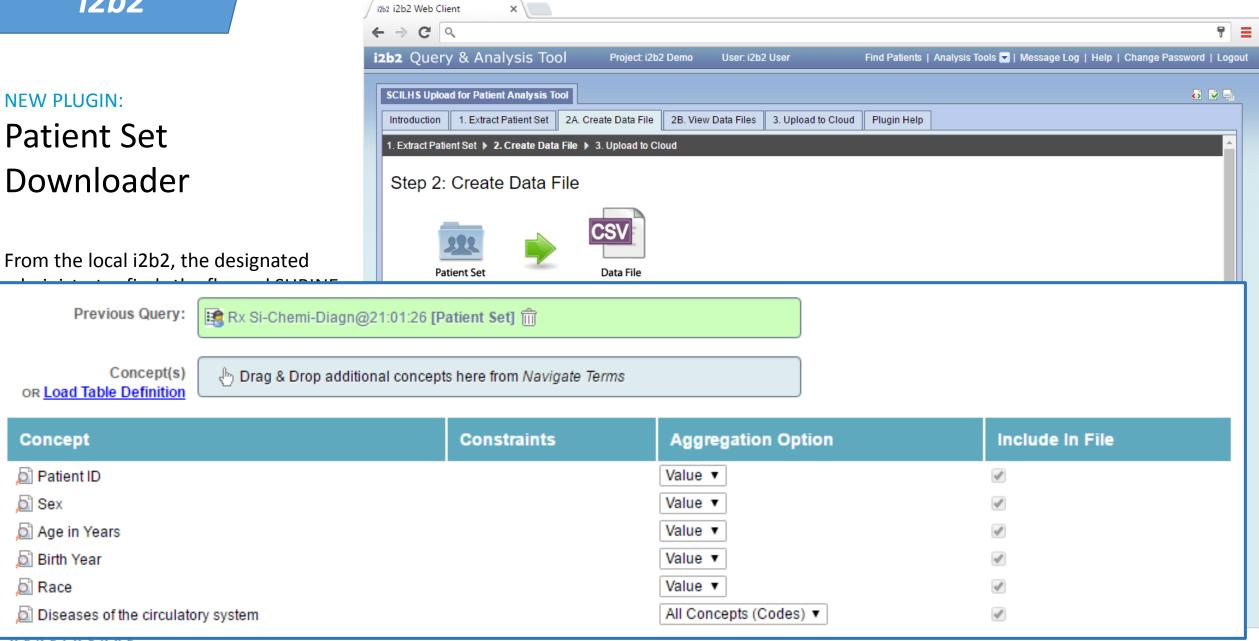
2016-05-04T10:23:50.893-04:00

2016-04-26T09:11:38.323-04:00

2015-01-30T02:01:40.463-05:00

*i*2*b*2

Patient Set



All Concepts (Codes) ▼

Aggregation Option	Description
Existence (Yes/No)	Whether or not patient has observation
Date (First)	Date of earliest observation
Date (Most Recent)	Date of the most recent observation
Count	Total number of observations
All Concepts (Names/Text)	All concept names are listed
Most Frequent Concept (Names/Text)	Most frequent concept name
All Concepts (Codes)	All concept codes are listed
Most Frequent Concept (Codes)	Most frequent concept code
Minimum Value	Minimum value of all numerical values observations
Maximum Value	Maximum value of all numerical values observations
Median Value	Median value of all numerical values observations
Average Value	Average value of all numerical values observations
Mode (Most Frequent Value)	Most frequent value for numerical, enum, blob observations
List of All Values	List of all values for numerical, enum, blob observations

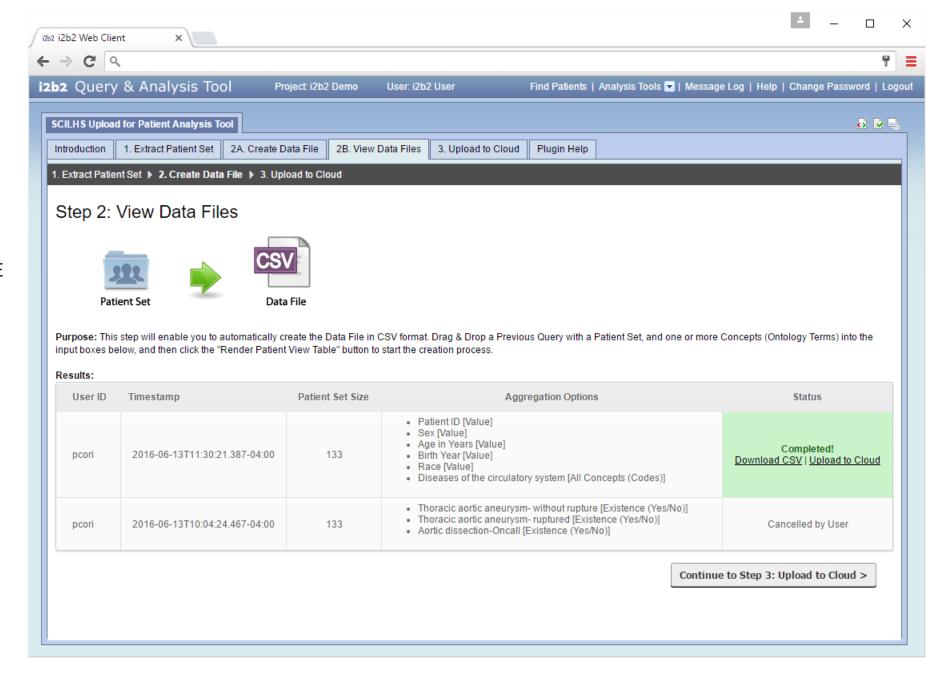


*i*2*b*2

NEW PLUGIN:

Manage Data Files

From the local i2b2, the designated administrator finds the flagged SHRINE network query.





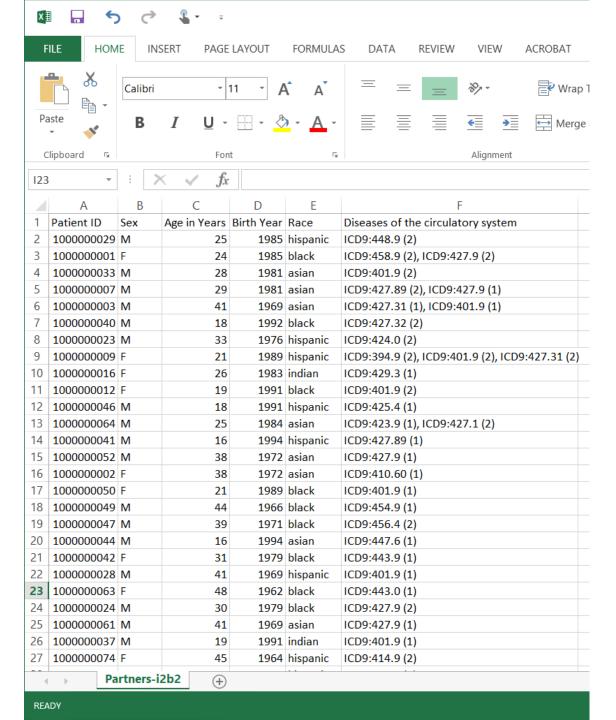
*i*2*b*2

NEW FEATURE:

CSV Data File

Data is pivoted into a one patient per line in the CSV file output





Thank you!

DEVELOPERS:

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SHRINE Team

