

Using the MDPHnet Query Composer Tool - Creating your first query

Prepared by Aileen Ochoa, Harvard Pilgrim Health Care Institute,

Aileen_Ochoa@harvardpilgrim.org

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Link to MDPHnet Query Tool

- <https://querytool.mdphnet.org>
- You can request an account from this page or find your password.

Home page

- Click on New Request and then Core to create a query against the MDPHnet database.

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Messages

Date Message

The MDPHnet Query Tool was upgraded to PopMedNet 5.6.1 on 8/28/2016. This update includes general system enhancements and bug fixes that impact all users. For a detailed description of new features developed in 5.6 please [click here](#). For a description of the release, including technical notes, please [click here](#).

Action Item for DataMart Administrators: A new version, (5.6) of the DataMart Client is **required for some features**. DataMart client versions 5.0.5 and above are still compatible with the Query Tool and can be used to respond to requests. However, users are **encouraged to update** to the new version as new request metadata fields have been added and certain new features are only compatible with version 5.6 and

Tasks

Task	Name	Task Status	Created	Start Date	End Date	Assign
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Requests

Name	Sys...	Date Submitted...	Sub...	Status	Type	Core
Query Composer - 941	11699	07/17/2018 10:12 AM	Aileen Ochoa	Submitted	Query Comp	
Stroke & Tobacco	11694	05/24/2018 8:58 AM	Victoria Nielsen	Complete	Query Composer	Core Low
			Victoria			

New Request

Core

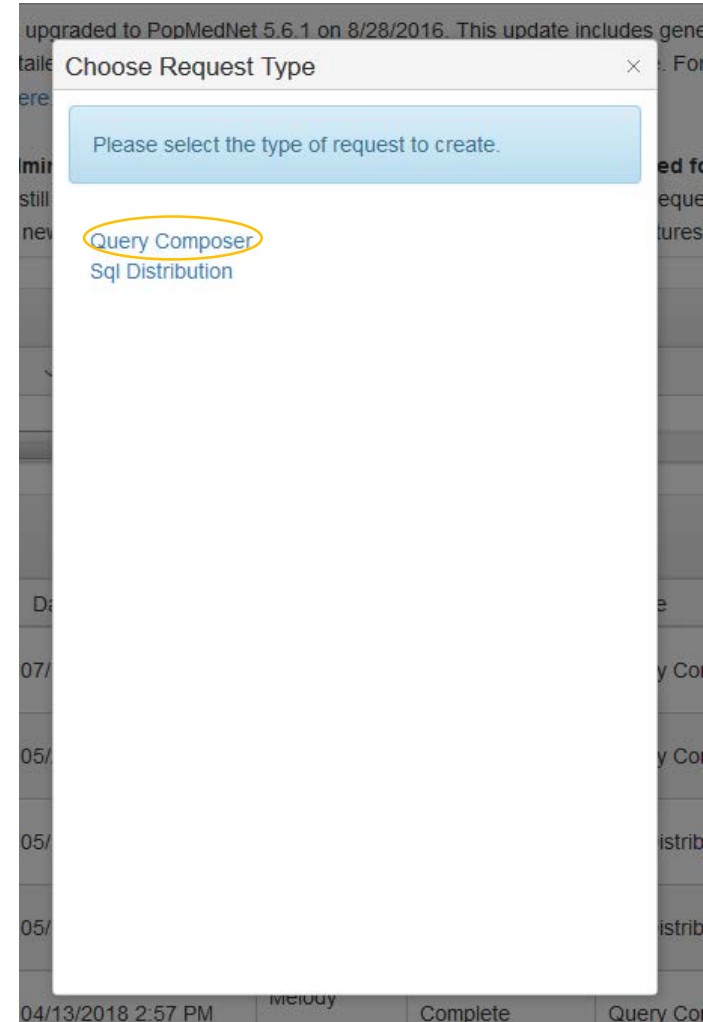
MDPHnet Testing

Metadata Search

Testing - Querying Test DataMarts

Request Type

- Select desired request.
 - Query Composer is the guided tool for helping create a query.
 - SQL Distribution is for submitting an already written SQL query.
 - The following slides assume you want to use the Query Composer tool.



Request Form – Query Information

You can click on the ? box throughout for helpful information on each field. Click the ? again to close the information box.

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Network / Requests / Query Composer - 942

Query Composer ?
Compose a complex query to create a report of counts stratified by age, race, sex, and period.

Name ?
Query Composer - 942

Priority ?
Medium

Due Date ?
[Calendar Icon]

Purpose of use ?
<not specified>

Level of PHI Disclosure
<not specified>

Level of Report Aggregation ?
<not specified>

Request ID
[Text Field]

Project
Core [x]

Description ?
[Text Area]

Additional Instructions
[Text Area]

Run Mode ?

Run Immediately After I Click "Submit"
 Schedule to Run Later

Criteria Groups ? [+ Add Group](#)

Criteria Group: Primary ?

Group Name
Primary [Add Terms...](#)

- Here you can name your query, put in a description, and put your priority level and due date if needed.
- This information is used by the MDPHnet sites when they log-in to review the query run.

Request Form – Criteria Groups

Criteria Groups [?](#) [+ Add Group](#)

Criteria Group: Primary [?](#)

Group Name
Primary

[Add Terms...](#)

- Diagnosis ICD9
- Diagnosis ICD10
- Condition
- Visits
- Demographic

Result Stratification [?](#)

Variable	Setting
<input type="checkbox"/> Tobacco Use	

Observation Period Range [?](#)

Start Period (MM/DD/YYYY)

End Period (MM/DD/YYYY)

- In this section, you can define your cohort.
- First you select a primary group using any of the Add Terms options.
 - For example, you can select Diabetes as a condition.
 - You can also add visit and demographic criteria to your primary group by clicking Add Terms again.
- Note: the criteria group must contain at least a Diagnosis, Disease, or Visits term.
- To remove a term from the query, click the **[X]** control on the upper right of the term.

Request Form – Stratification and Observation Period

The screenshot displays two sections of a web form. The left section, titled "Result Stratification", contains a table with columns "Variable" and "Setting". The right section, titled "Observation Period Range", contains two date input fields for "Start Period" and "End Period".

Variable	Setting
<input type="checkbox"/> Disease	
<input type="checkbox"/> Period	Monthly
<input type="checkbox"/> Age	5 Year Age Group
<input type="checkbox"/> Sex	
<input type="checkbox"/> Race	
<input type="checkbox"/> Race-Ethnicity	
<input type="checkbox"/> Clinical Site	
<input type="checkbox"/> Zip Code	
<input type="checkbox"/> Tobacco Use	

Observation Period Range

Start Period (MM/DD/YYYY) End Period (MM/DD/YYYY)

- You can view stratified results by selecting the variables you want to stratify by.
- You can set the time period for your cohort in Observation Period Range

Request Form – DataMart and Submit

- Select which MDPHnet sites should receive your query request.
 - OPS Test DataMart 1 and 2 are used to test the query against a dummy dataset.
- Hit Submit to send your query to each site.
- You can also Save and come back later to edit your query before submitting.

DataMart Routing

Please select DataMarts to which this query will be sent

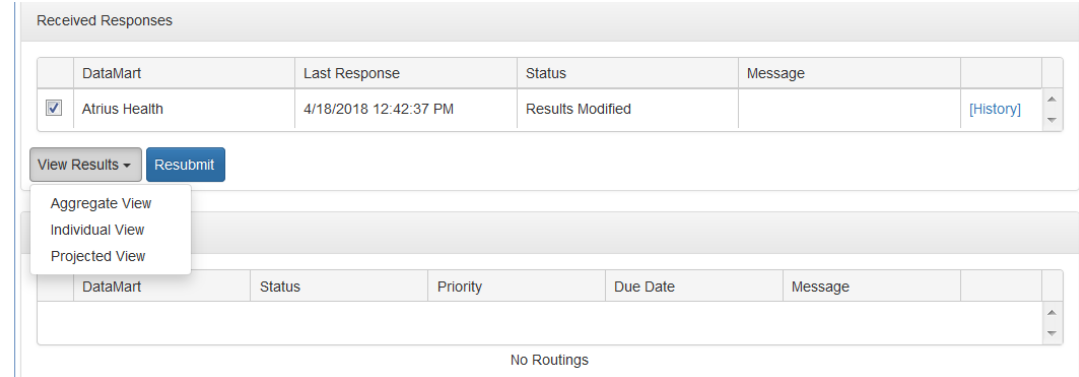
	Name	Organization	Priority	Due Date
<input checked="" type="checkbox"/>	Atrius Health	Atrius Health	Medium	<input type="text"/>
<input checked="" type="checkbox"/>	CHA	Cambridge Health Alliance	Medium	<input type="text"/>
<input checked="" type="checkbox"/>	Mass League	Mass League	Medium	<input type="text"/>
<input checked="" type="checkbox"/>	OPS Test DataMart 1	Operations Center	Medium	<input type="text"/>
<input checked="" type="checkbox"/>	OPS Test DataMart 2	Operations Center	Medium	<input type="text"/>

Select All Clear All Bulk Edit

Copy Delete Save Submit

View Results

- You will get an email notifying you when your query has finished running at each site.
- Log in and click on your query name from home page. On the next page, you will see a button near the bottom that says “View Results”.
 - Aggregate view is a table level view of results
 - Individual view is the same as aggregate but divided by data partner
 - Projected view shows estimates of prevalence with corrections based on US Census Data.
 - More information:
<https://popmednet.atlassian.net/wiki/spaces/DOC/pages/16842824/ESP+Query+Composer+Projections>
 - Note not all views are available depending on the structure of your query.



Received Responses

	DataMart	Last Response	Status	Message	
<input checked="" type="checkbox"/>	Atrius Health	4/18/2018 12:42:37 PM	Results Modified		[History]

View Results ▾ Resubmit

- Aggregate View
- Individual View
- Projected View

DataMart	Status	Priority	Due Date	Message	
No Routings					

Helpful Tips

- It might be easier to run multiple queries rather than submit one that has everything.
- It is very common to run a query and realize after you view results that you need to make adjustments. You can easily open your original query, edit, then resubmit through the tool.
- Commonwealth Informatics can provide guidance on a complicated query
 - It might be necessary to run a SQL script using SQL distribution request if the Query Composer can't give the results you want.

More Information

- Please see this link for all MDPHnet Query Tool materials
 - [https://espnet.atlassian.net/wiki/spaces/EP/pages/42074142/MDPHnet+User](https://espnet.atlassian.net/wiki/spaces/EP/pages/42074142/MDPHnet+User+S)
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