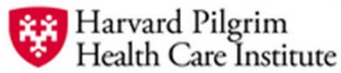


Using the MDPHnet Query Composer Tool - Creating your first query

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DEPARTMENT OF POPULATION MEDICINE

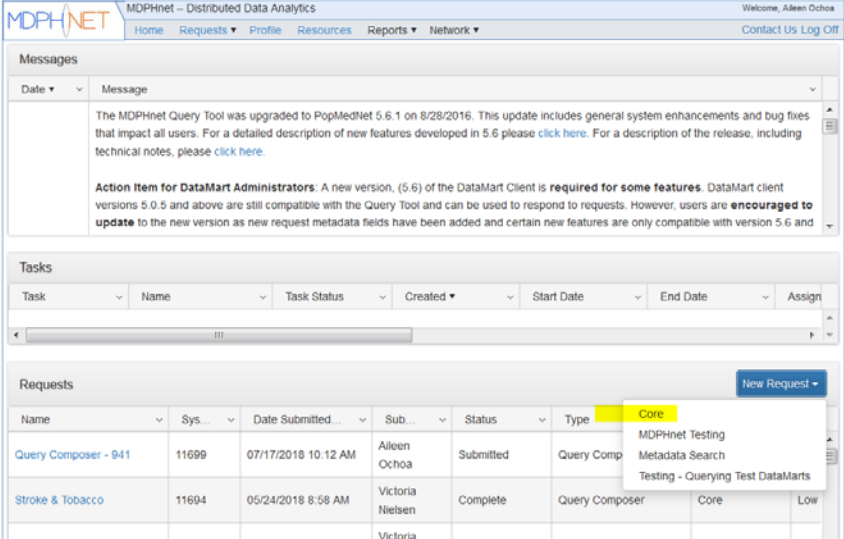


Link to MDPHnet Query Tool

- <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.

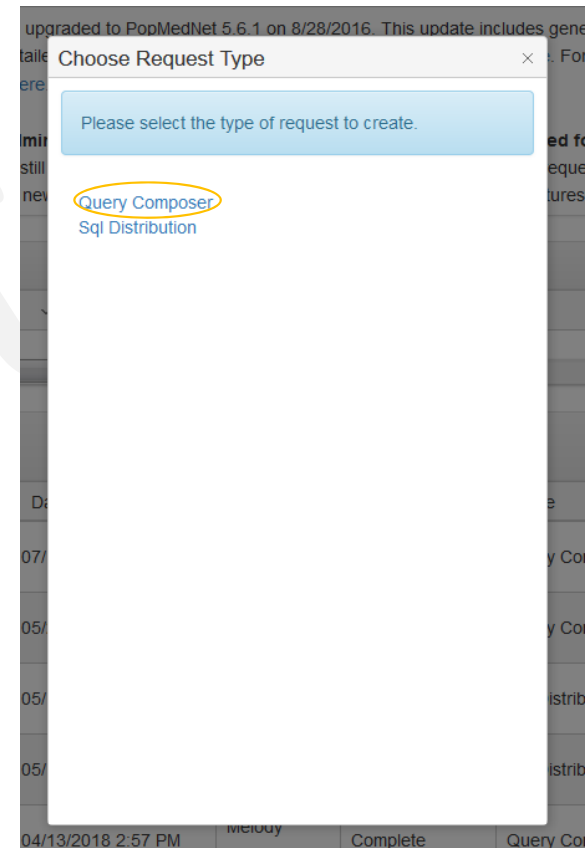


The screenshot shows the MDPHNET home page. The navigation menu includes Home, Requests, Profile, Resources, Reports, and Network. The Messages section contains a notification about the MDPHNET Query Tool upgrade to PopMedNet 5.6.1 on 8/28/2016. The Tasks section is currently empty. The Requests section features a table with columns for Name, Sys..., Date Submitted..., Sub..., Status, Type, and a 'New Request' button. A dropdown menu is open over the 'Type' column, showing options: Core, MDPHnet Testing, Metadata Search, and Testing - Querying Test DataMarts.

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

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.

The screenshot shows the MDPHnet Query Composer interface. At the top, there is a navigation bar with 'MDPHNET' and 'Distributed Data' logos, and a user welcome message 'Welcome, Aileen Ochoa'. The main content area is titled 'Query Composer' and includes a sub-header 'Compose a complex query to create a report of counts stratified by age, race, sex, and period.' Below this, there are several form fields: 'Name' (text input with 'Query Composer - 942'), 'Priority' (dropdown menu with 'Medium'), 'Due Date' (text input), 'Purpose of use' (dropdown menu with '<not specified>'), 'Level of PHI Disclosure' (dropdown menu with '<not specified>'), 'Level of Report Aggregation' (dropdown menu with '<not specified>'), and 'Request ID' (text input). There are also sections for 'Project', 'Description', 'Additional Instructions', 'Run Mode' (with radio buttons for 'Run Immediately After I Click "Submit"' and 'Schedule to Run Later'), and 'Criteria Groups' (with a '+ Add Group' button and a 'Criteria Group: Primary' section containing a 'Group Name' text input with 'Primary' and an 'Add Terms' button).

- 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 panels from a request form. The left panel, titled 'Result Stratification', contains a table with columns 'Variable' and 'Setting'. The right panel, 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.
 - Atrius Health, Mass League of Community Health Centers, Cambridge Health Alliance
 - 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"/>

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

- Breaking up your desired results into multiple queries may be easier than trying to submit one query that has everything you want.
- 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

- PopMedNet Wiki has detailed documentation on how to use the Query Composer
 - <https://popmednet.atlassian.net/wiki/spaces/DOC/pages/8880241/PopMedNet+User%27s+Guide>
- Specific helpful pages
 - Creating a Primary Group
<https://popmednet.atlassian.net/wiki/spaces/DOC/pages/8880336/Query+Composer+Request>
 - Viewing Results
<https://popmednet.atlassian.net/wiki/spaces/DOC/pages/8880347/Viewing+Request+Results>