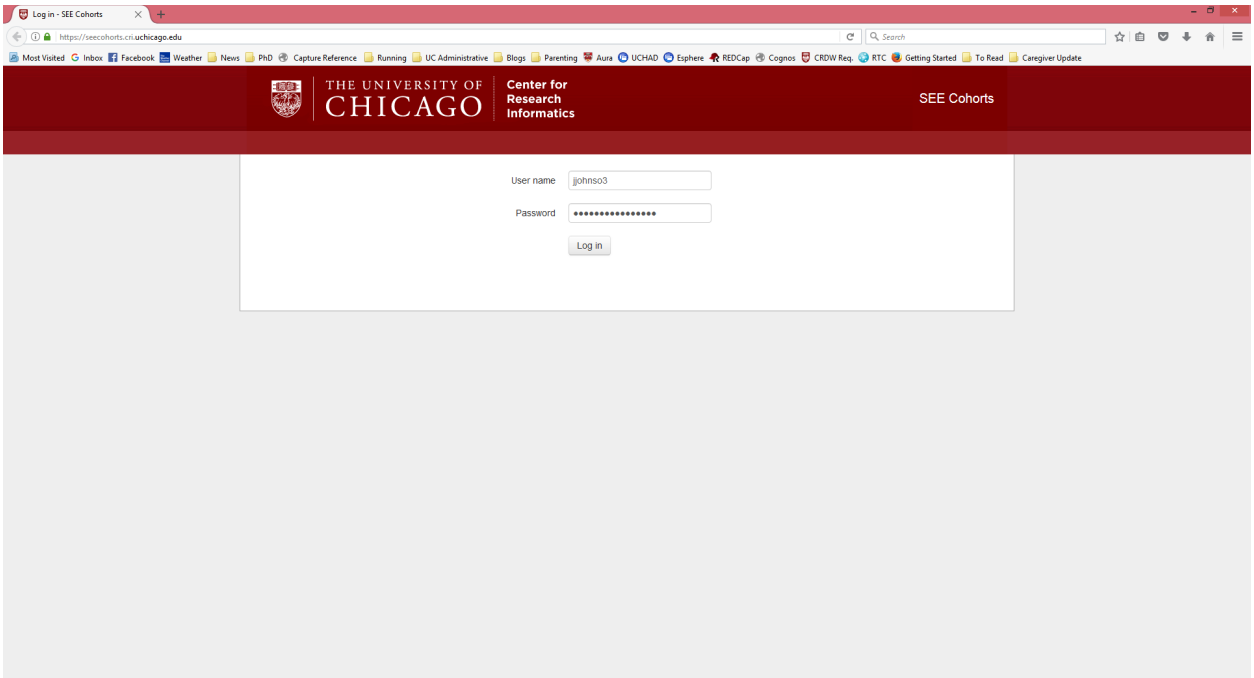
NOTE: In order to utilize any Center for Research applications, you will need a BSDAD or UCHAD account. If you do not have a BSDAD account, you can obtain a temporary collaborator account through the CRI but will need a BSDAD sponsor to submit a request on your behalf. This can be done here https://cri-app02.bsd.uchicago.edu/WebProvisioning/Service.aspx. Select "Request Collaborator Account Creation" and follow the instructions on the screen.

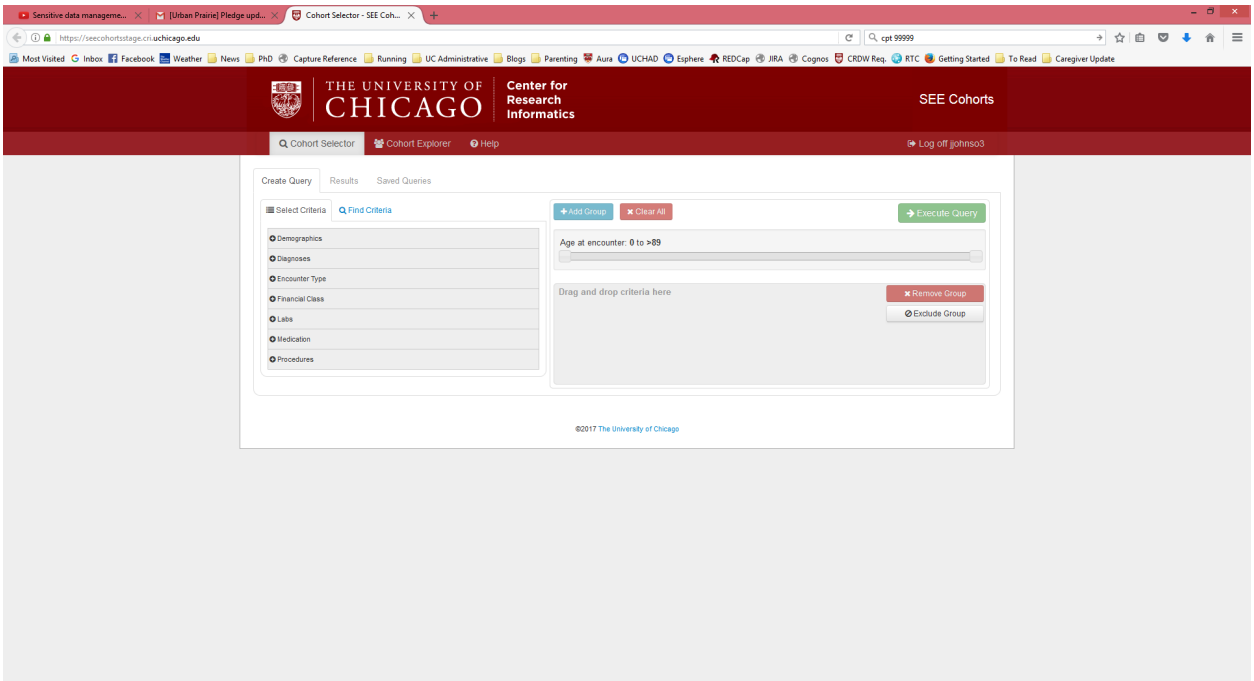
To utilize SEE Cohorts:

1. Navigate to https://seecohorts.cri.uchicago.edu
2. Log in with your BSDAD or UCHAD credentials.



3. Build Query*

   **Note: Examples provided below.*



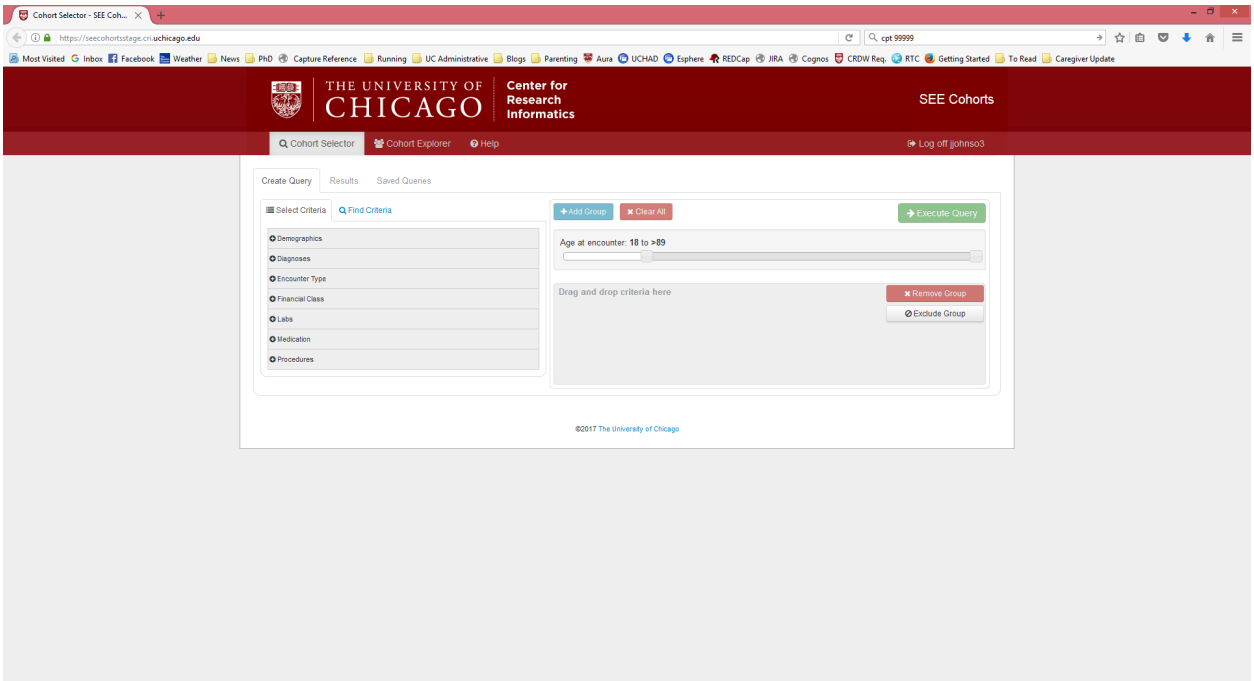
4. Select 'Execute Query'
5. Explore Cohort

Basic Rules of Query Building:

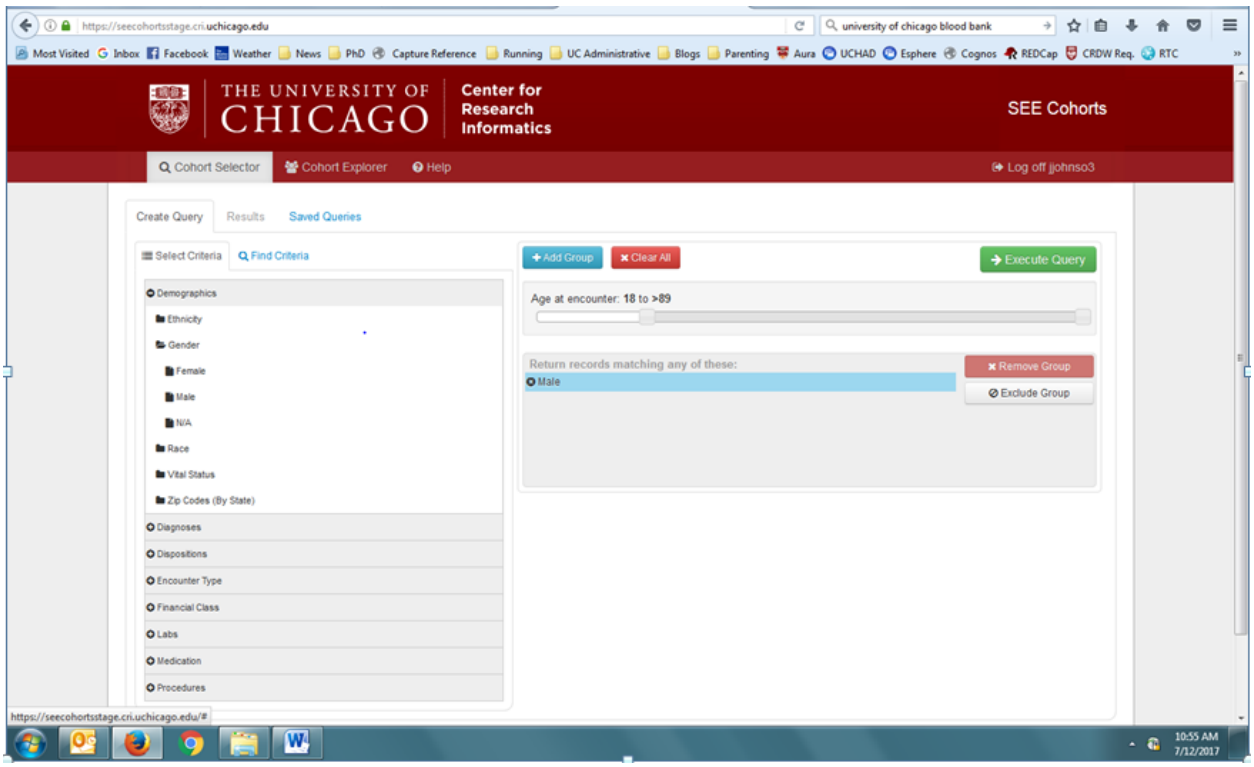
- All dates are offset 0 to -365 days per patient. No date criteria can be added to the query.
- Within box variables are joined by "or" and different boxes are joined by "and"
- All events within the query will have to occur at the same encounter in order to produce results. Therefore, all encounters for each patient will be qualifying encounters.

Example: Identify all adult, male, Hispanic patients with Diabetes and Hypertension and without Peripheral Neuropathy.

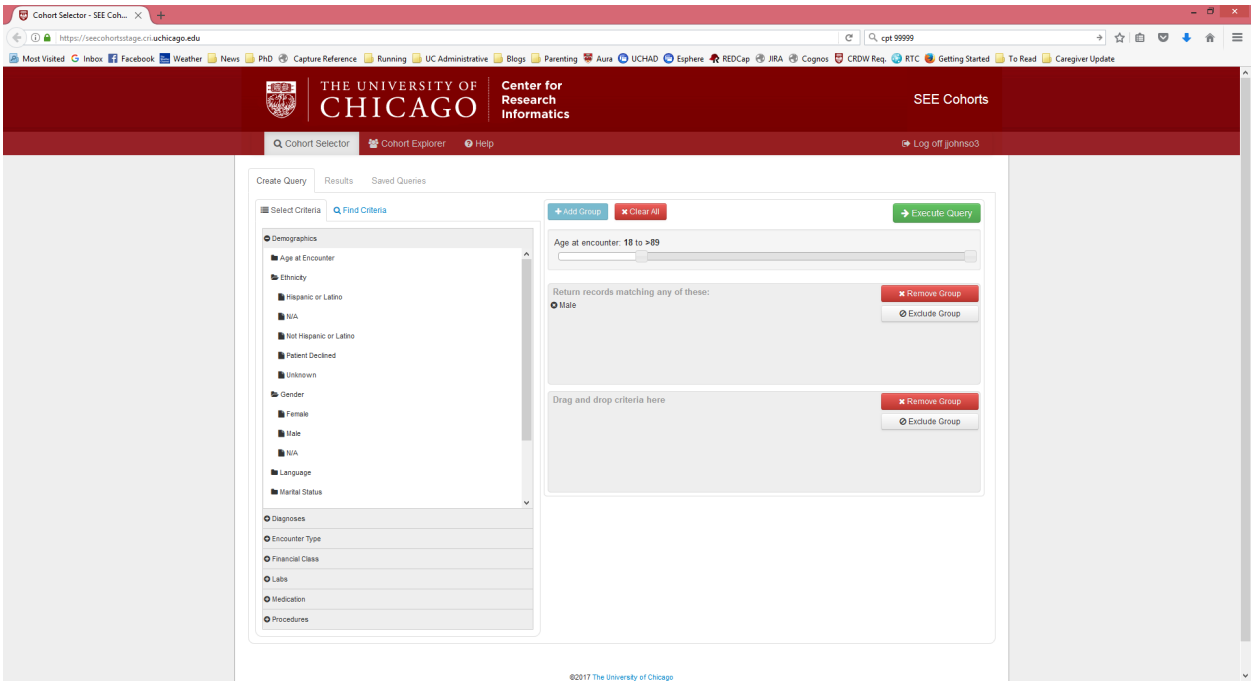
1. Drag age at encounter selector to include 18 to >89



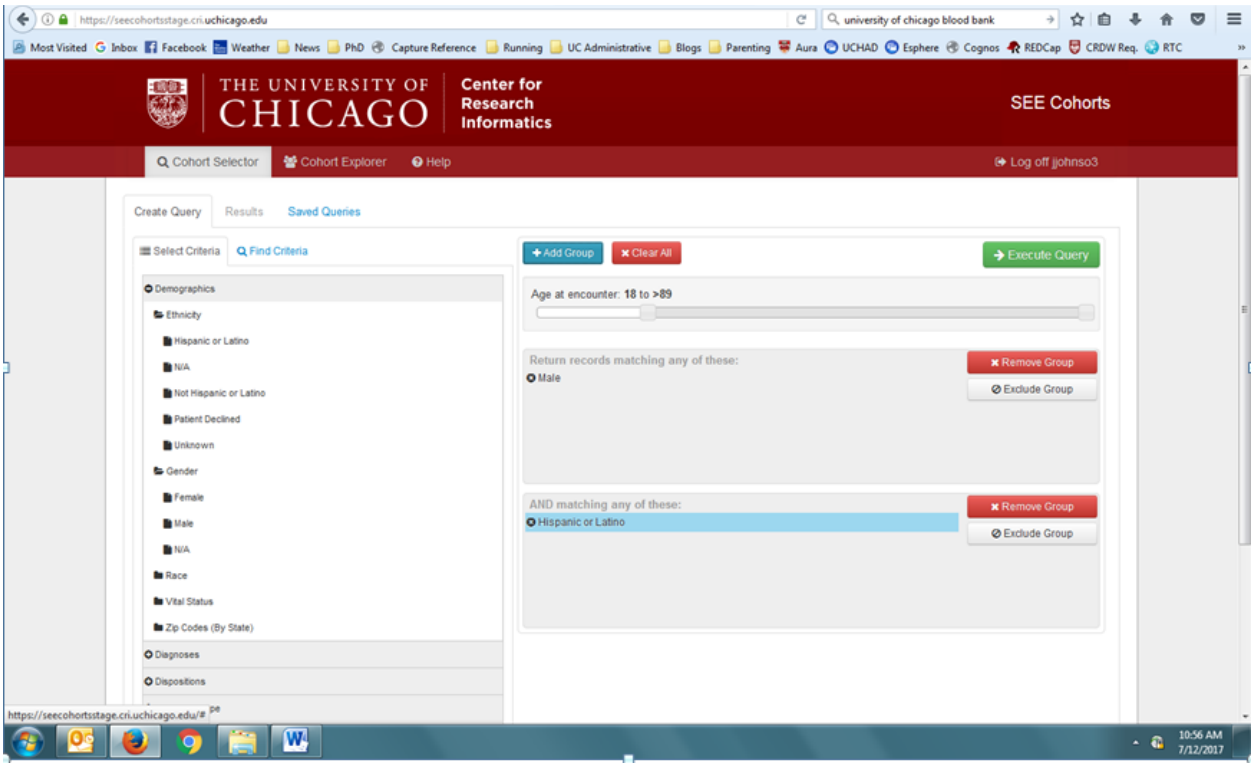
2. Expand Demographics by selecting + and then expand Gender by selecting the file folder. Highlight male and drag into criteria box on right side of screen.



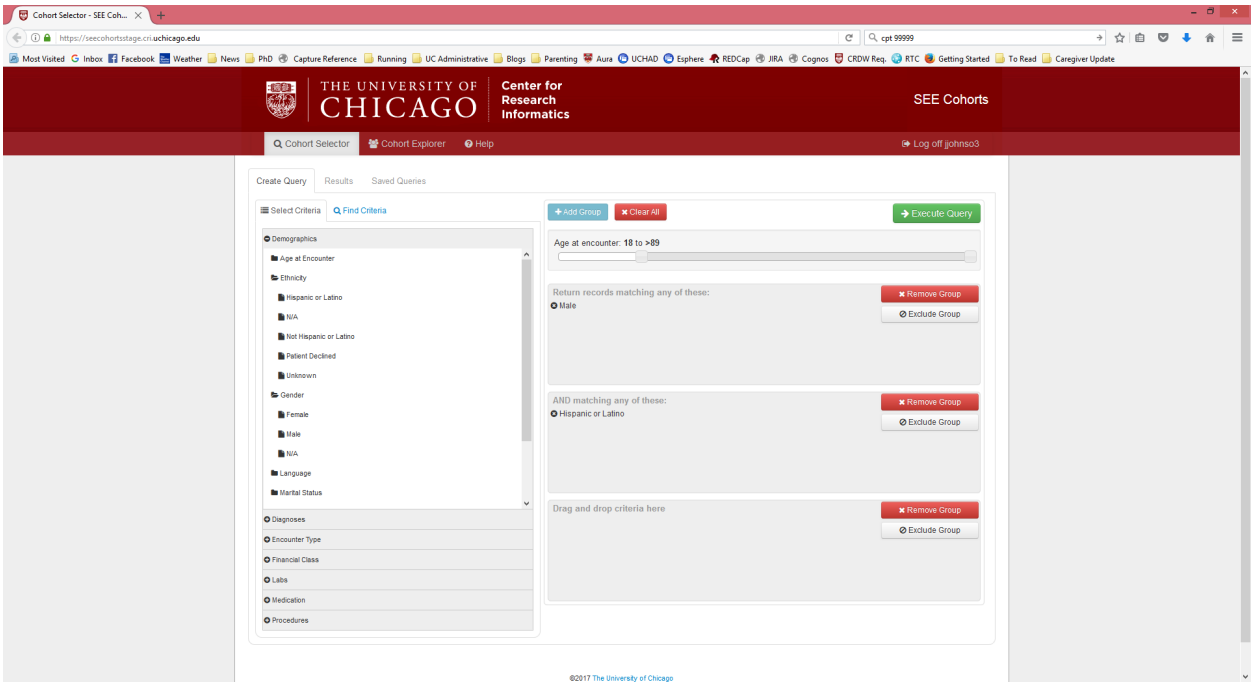
3. Select ‘Add Group’



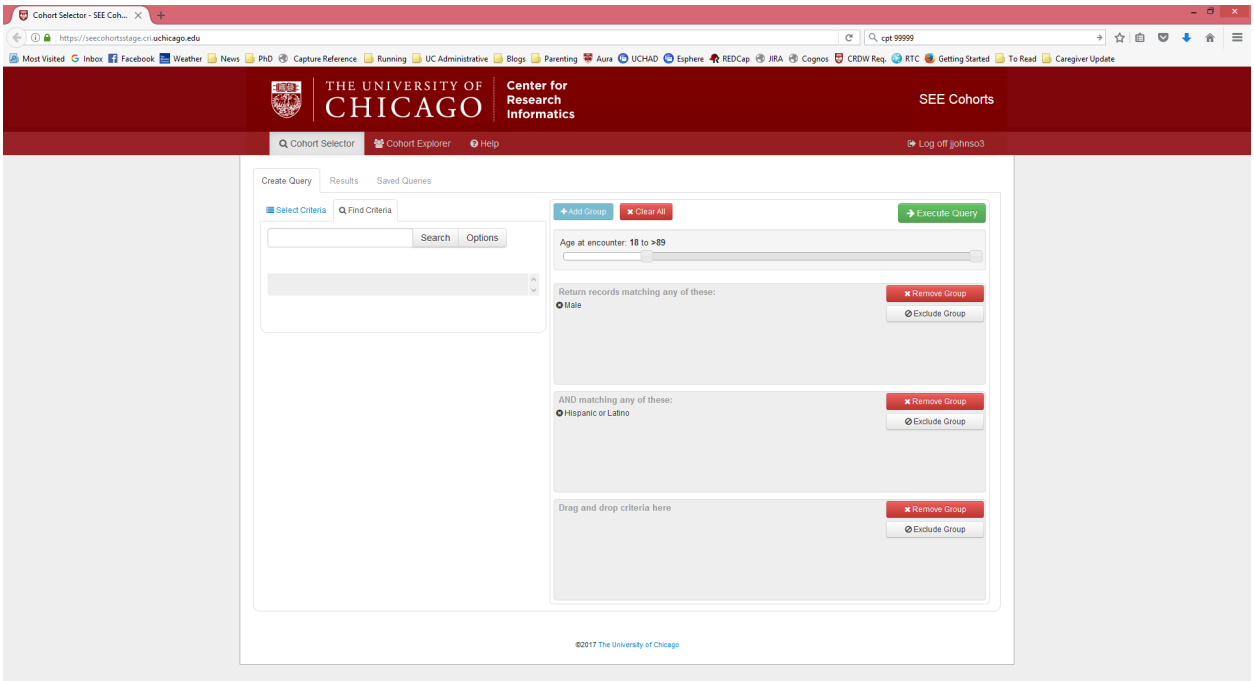
4. Expand Ethnicity, highlight Hispanic, and drag and drop criteria into the next box.



5. Select 'Add Group'

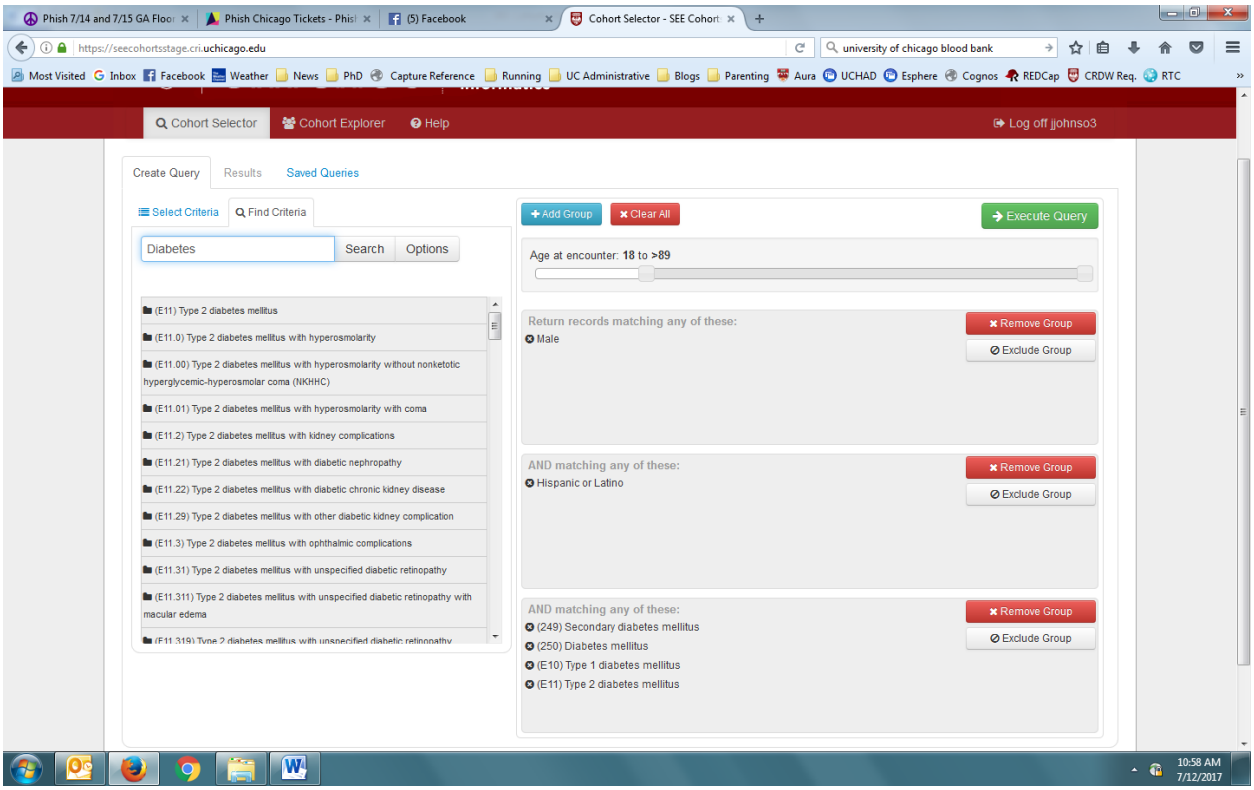


6. Select 'Find Criteria'.



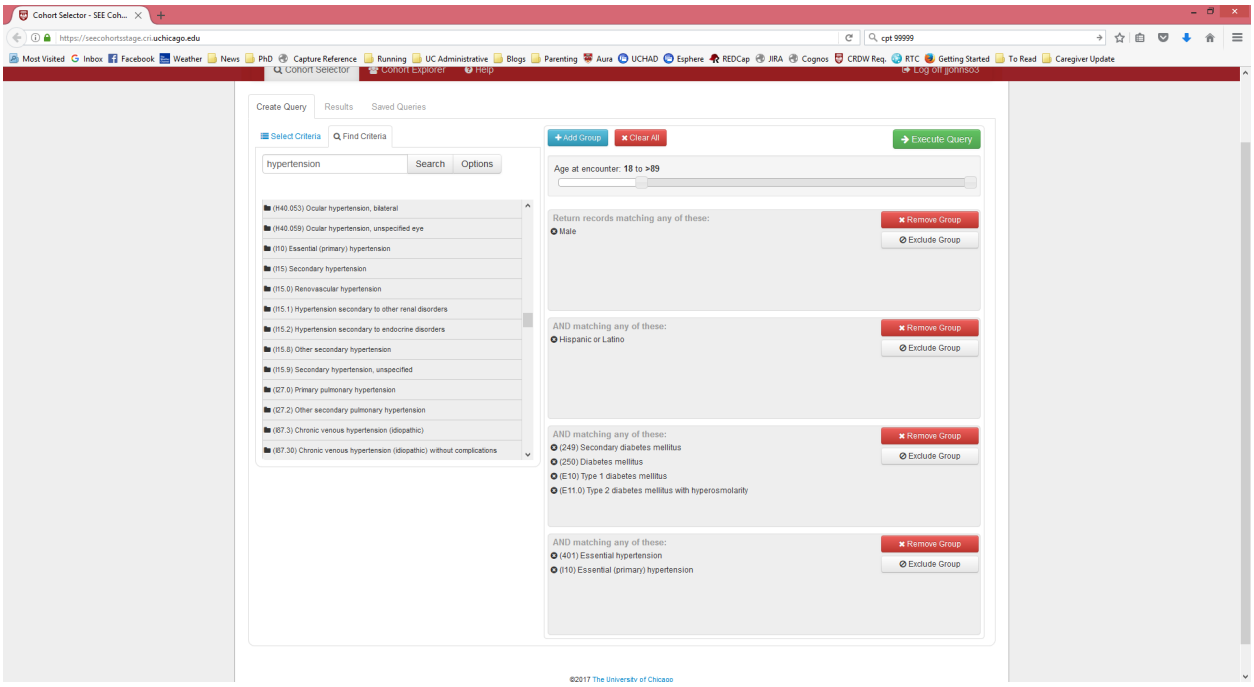
7. Type Diabetes in the Find Criteria search bar and select 'Search'.

For this example, we will use all type 1 and type 2 diabetes codes by selecting the highest level codes for these groups. Remember to select both ICD9 and ICD10 codes. Drag and drop codes into the next group.



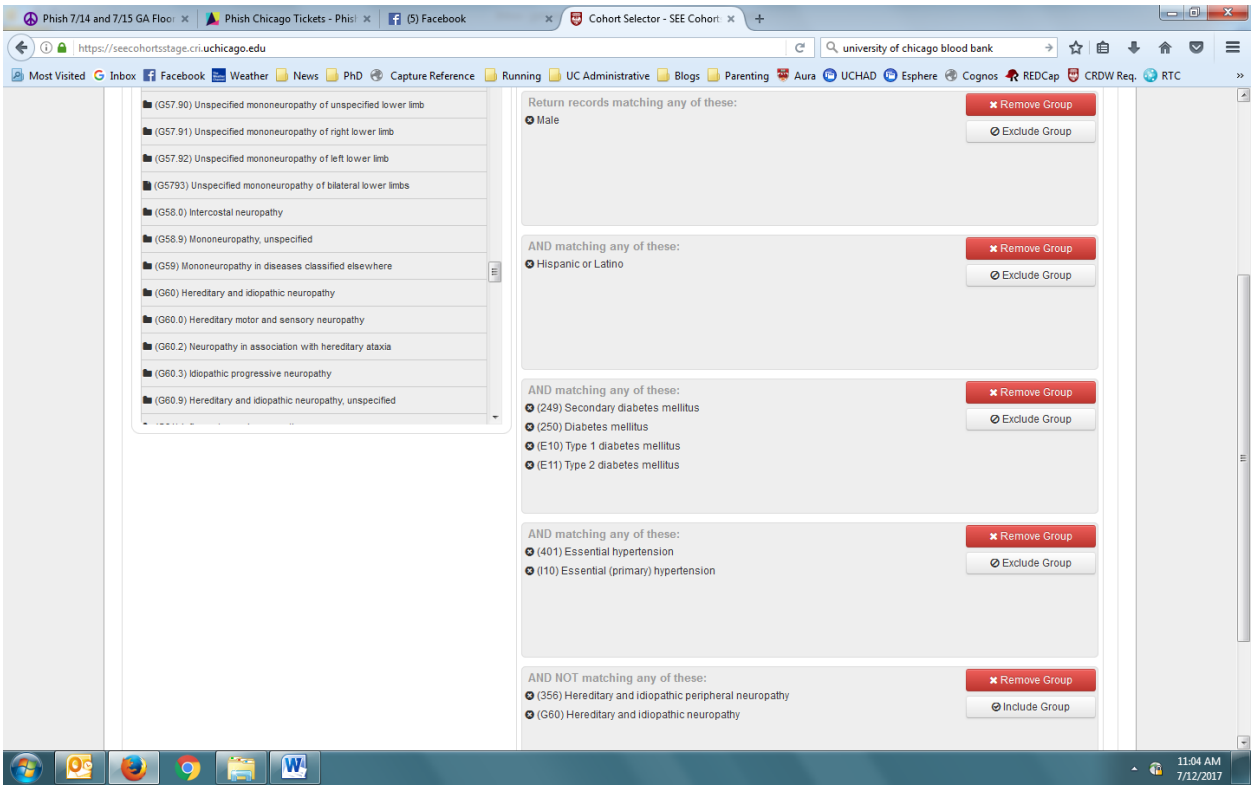
8. Select ‘Add Group’
9. Type hypertension in the Find Criteria search bar and select ‘Search’

For this example, we will use essential hypertension only. Drag and drop codes into the next group.

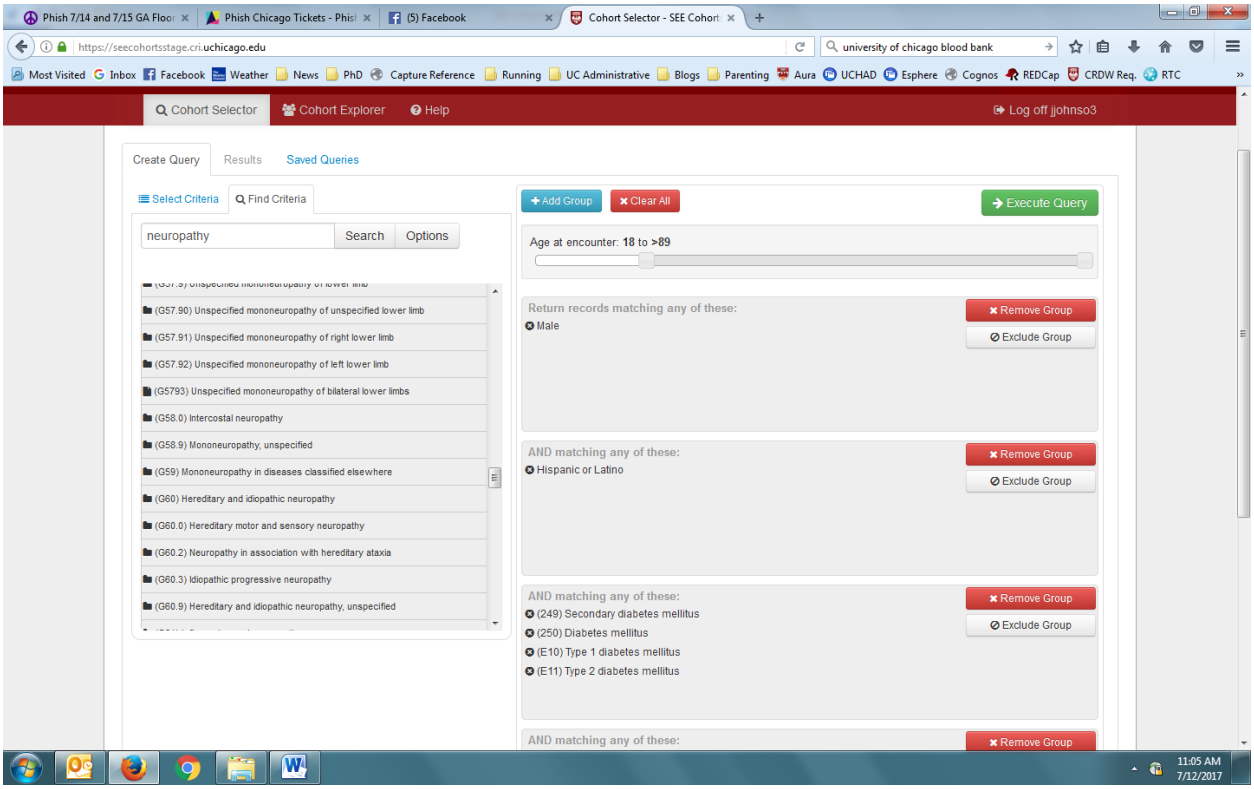


10. Select ‘Add Group’
11. Type peripheral neuropathy in the Find Criteria search bar and select ‘Search’

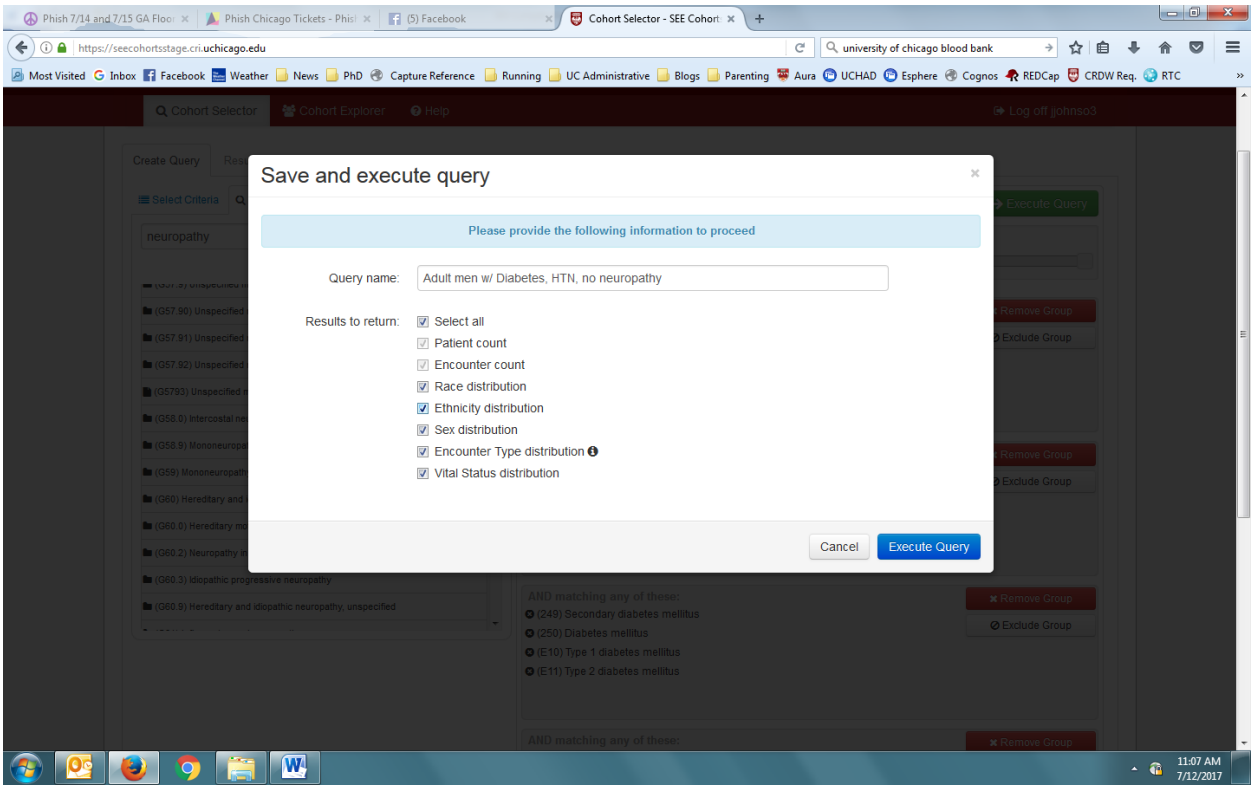
For this example, we want to exclude patients with hereditary and idiopathic neuropathy. After dragging and dropping the codes into the next group, select ‘Exclude Group’ from within the box.



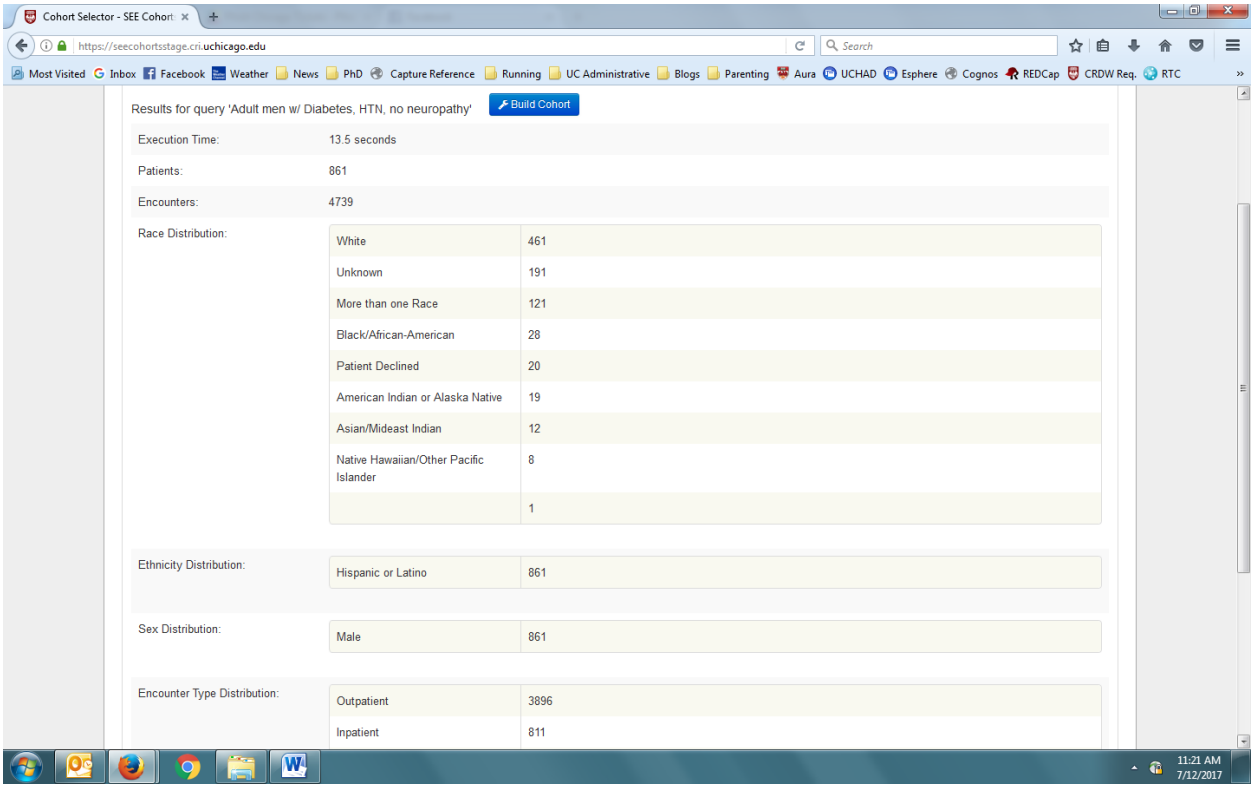
12. Select 'Execute Query' in the upper right portion of screen.



13. Name query, select 'Results to Return', and 'Execute Query'

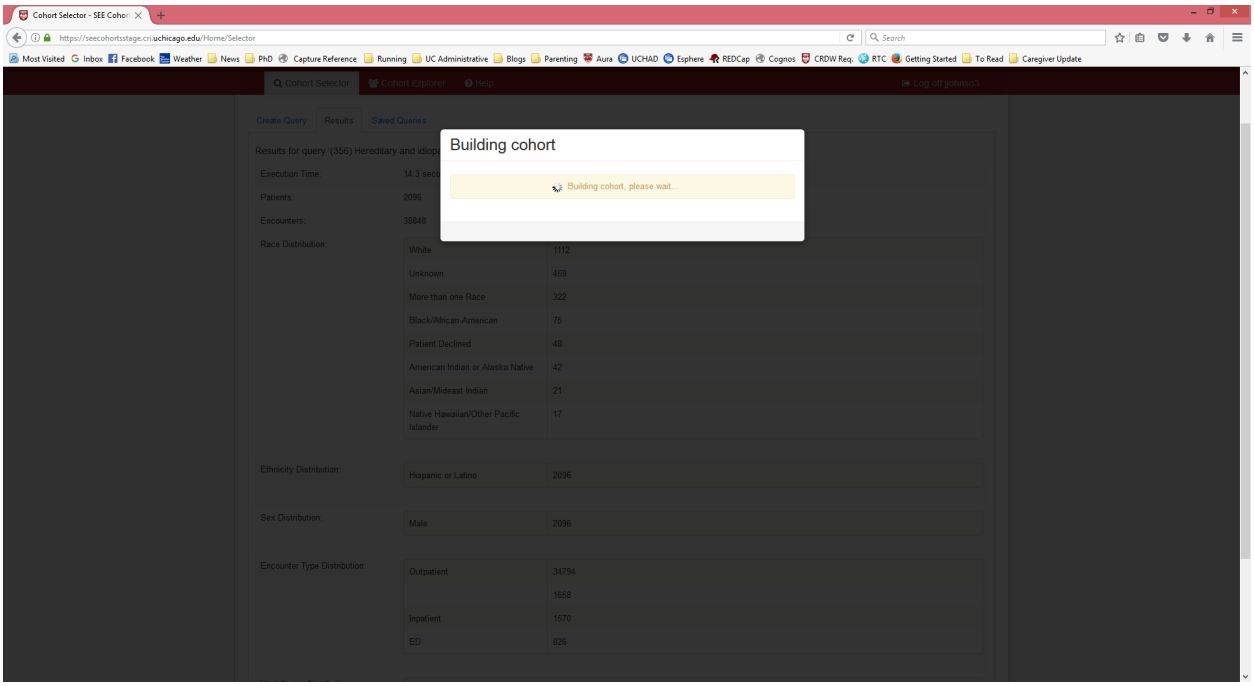


14. Review query results.



Note: if summary statistics is all that is needed, you can stop here. However, if you would like to explore the cohort further, proceed to step 15.

15. Select 'Build Cohort'. Be patient because this could take a few minutes.



16. Once the cohort is built, you may explore a patient further by selecting the 'select' button in any row.

For this example, we will explore patient id 47657.

Cohort Explorer - SEE Cohort

https://seecohortsstage.cri.uchicago.edu/Home/Explorer/30215

Most Visited | Inbox | Facebook | Weather | News | PhD | Capture Reference | Running | UC Administrative | Blogs | Parenting | Aura | UCHAD | Esphere | Cognos | REDCap | CRDW Req. | RTC

Saved Cohorts | Explore Cohort

Adult men w/ Diabetes, HTN, no neuropathy

Patients | Patient Details

Patient Id	Vital Status	Age	Sex	Race	Ethnicity	Zip	
5939	Living	64	Male	Unknown	Hispanic or Latino	604	Select Remove
7545	Living	79	Male	More than one Race	Hispanic or Latino	606	Select Remove
15560	Living	90+	Male	White	Hispanic or Latino	606	Select Remove
17549	Living	86	Male	More than one Race	Hispanic or Latino	606	Select Remove
29782	Living	90+	Male	White	Hispanic or Latino	463	Select Remove
33871	Living	63	Male	Black/African-American	Hispanic or Latino	606	Select Remove
38080	Living	73	Male	Asian/Mideast Indian	Hispanic or Latino	600	Select Remove
47657	Living	66	Male	White	Hispanic or Latino	604	Select Remove
62983	Living	53	Male	White	Hispanic or Latino	606	Select Remove
63535	Living	60	Male	White	Hispanic or Latino	606	Select Remove
67135	Living	73	Male	Unknown	Hispanic or Latino	606	Select Remove
81477	Living	57	Male	Black/African-American	Hispanic or Latino	606	Select Remove
87800	Living	80	Male	Unknown	Hispanic or Latino	606	Select Remove
119080	Living	73	Male	Black/African-American	Hispanic or Latino	606	Select Remove
123197	Living	53	Male	White	Hispanic or Latino	604	Select Remove
124398	Living	79	Male	More than one Race	Hispanic or Latino	605	Select Remove

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17. All qualifying encounters for this patient are displayed for further exploration.

Cohort Explorer - SEE Cohort

https://seecohortsstage.cri.uchicago.edu/Home/Explorer/30215

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Cohort Selector | Cohort Explorer | Help | Log off jjohnso3

Saved Cohorts | Explore Cohort

Adult men w/ Diabetes, HTN, no neuropathy

Patients | Patient Details

Back to patient list

Patient Information at Last Contact

Patient Id: **47657** Age: **66** Sex: **Male** Zip: **604**

Vital Status: **Living** Race: **White** Ethnicity: **Hispanic or Latino**

Encounters | Encounter Details | Annotations

	Encounter Id	Type	Start Date	End Date	Age	Sex	Zip	Race	Ethnicity
Select	5846121	Outpatient	12/12/2014	12/12/2014	64	Male	604	White	
Select	6832549	Outpatient	11/12/2015	11/12/2015	65	Male	604	White	
Select	7727161	Outpatient	06/19/2015	06/19/2015	64	Male	604	White	
Select	8424613	Outpatient	12/03/2015	12/03/2015	65	Male	604	White	
Select	8974131	Outpatient	03/30/2016	03/30/2016	65	Male	604	White	
Select	9098453	Outpatient	06/09/2016	06/09/2016	65	Male	604	White	

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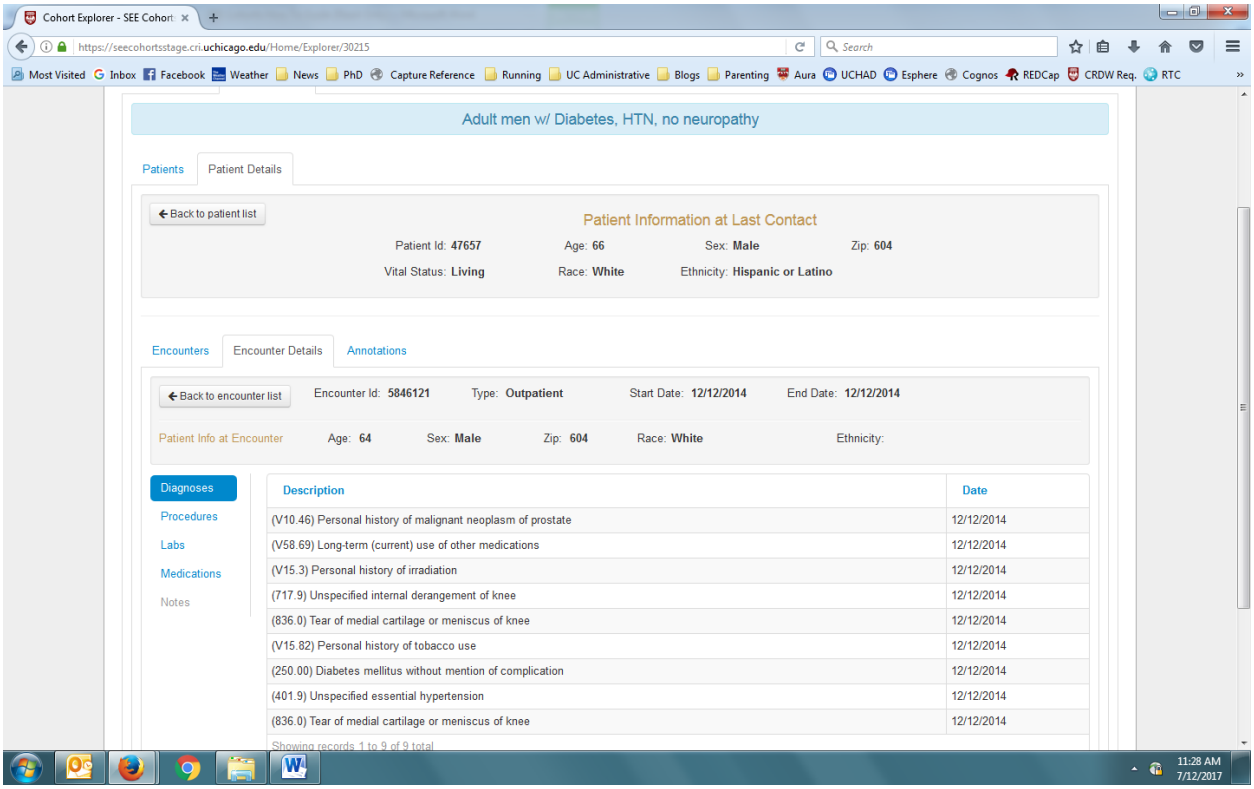
Note: the grey header bar contains the most recent information about the subject from the last encounter at the institution which may or may not be a qualifying encounter.

18. To explore the details of a specific encounter further, choose 'Select' within an encounter.

Note: For this example, we will choose the first encounter, 5846121.



Note: a new grey header bar appears that is the information for the patient at the selected encounter. In this example, the patient was 66 at the time of the most recent encounter but is 64 at the selected encounter. You will also see the qualifying ICD9/ICD10 codes in this view so that you can verify that this is a patient in your cohort. From this screen, you can explore procedures, labs, medications, and available notes for the selected encounter. You may also select the annotation tab and write notes to yourself.

19. To return to the encounter list for this patient, select the encounter tab or click 'back to encounter list'. To return to the patient list, select 'back to patient list'.

Note: choosing the back arrow from the browser takes you back to your saved queries.

Cohort Explorer - SEE Cohort

https://seecohortsstage.cri.uchicago.edu/Home/Explorer/30215

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Adult men w/ Diabetes, HTN, no neuropathy

Patients | Patient Details

Back to patient list

Patient Information at Last Contact

Patient Id: **47657** Age: **66** Sex: **Male** Zip: **604**

Vital Status: **Living** Race: **White** Ethnicity: **Hispanic or Latino**

Encounters | Encounter Details | Annotations

	Encounter Id	Type	Start Date	End Date	Age	Sex	Zip	Race	Ethnicity
Select	5846121	Outpatient	12/12/2014	12/12/2014	64	Male	604	White	
Select	6832549	Outpatient	11/12/2015	11/12/2015	65	Male	604	White	
Select	7727161	Outpatient	06/19/2015	06/19/2015	64	Male	604	White	
Select	8424613	Outpatient	12/03/2015	12/03/2015	65	Male	604	White	
Select	8974131	Outpatient	03/30/2016	03/30/2016	65	Male	604	White	
Select	9098453	Outpatient	06/09/2016	06/09/2016	65	Male	604	White	
Select	10400684	Outpatient	01/04/2017	06/29/2017	66	Male	604	White	
Select	10514602	Outpatient	04/15/2017	04/30/2017	66	Male	604	White	
Select	11210214	Outpatient	05/26/2017	06/18/2017	66	Male	604	White	

Showing encounters 1 to 9 of 9 total

« ‹ 1 › »

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20. From the patient list screen, you may remove patients that do not interest you after exploring the details by selecting 'Remove' in the patient row. You will be prompted to confirm.

Cohort Explorer - SEE Cohort

https://seecohortsstage.cri.uchicago.edu/Home/Explorer/30215

Most Visited | Inbox | Facebook | Weather | News | PhD | Capture Reference | Running | UC Administrative | Blogs | Parenting | Aura | UCHAD | Esphere | Cognos | REDCap | CRDW Req. | RTC

Patients | Patient Details

Patient Id	Vital Status	Age	Sex	Race	Ethnicity	Zip	
5939	Living	64	Male	Unknown	Hispanic or Latino	604	Select Remove
7545	Living	79	Male	More than one Race	Hispanic or Latino	606	Select Remove
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17549	Living	86	Male	More than one Race	Hispanic or Latino	606	Select Remove
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62983	Living	53	Male	White	Hispanic or Latino	606	Select Remove
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81477	Living	57	Male	Black/African-American	Hispanic or Latino	606	Select Remove
87800	Living	80	Male	Unknown	Hispanic or Latino	606	Select Remove
119080	Living	73	Male	Black/African-American	Hispanic or Latino	606	Select Remove
123197	Living	53	Male	White	Hispanic or Latino	604	Select Remove
124398	Living	79	Male	More than one Race	Hispanic or Latino	605	Select Remove
130435	Living	83	Male	Black/African-American	Hispanic or Latino	604	Select Remove
135440	Living	86	Male	White	Hispanic or Latino	463	Select Remove
143838	Living	89	Male	White	Hispanic or Latino	606	Select Remove
147201	Living	83	Male	Black/African-American	Hispanic or Latino	606	Select Remove

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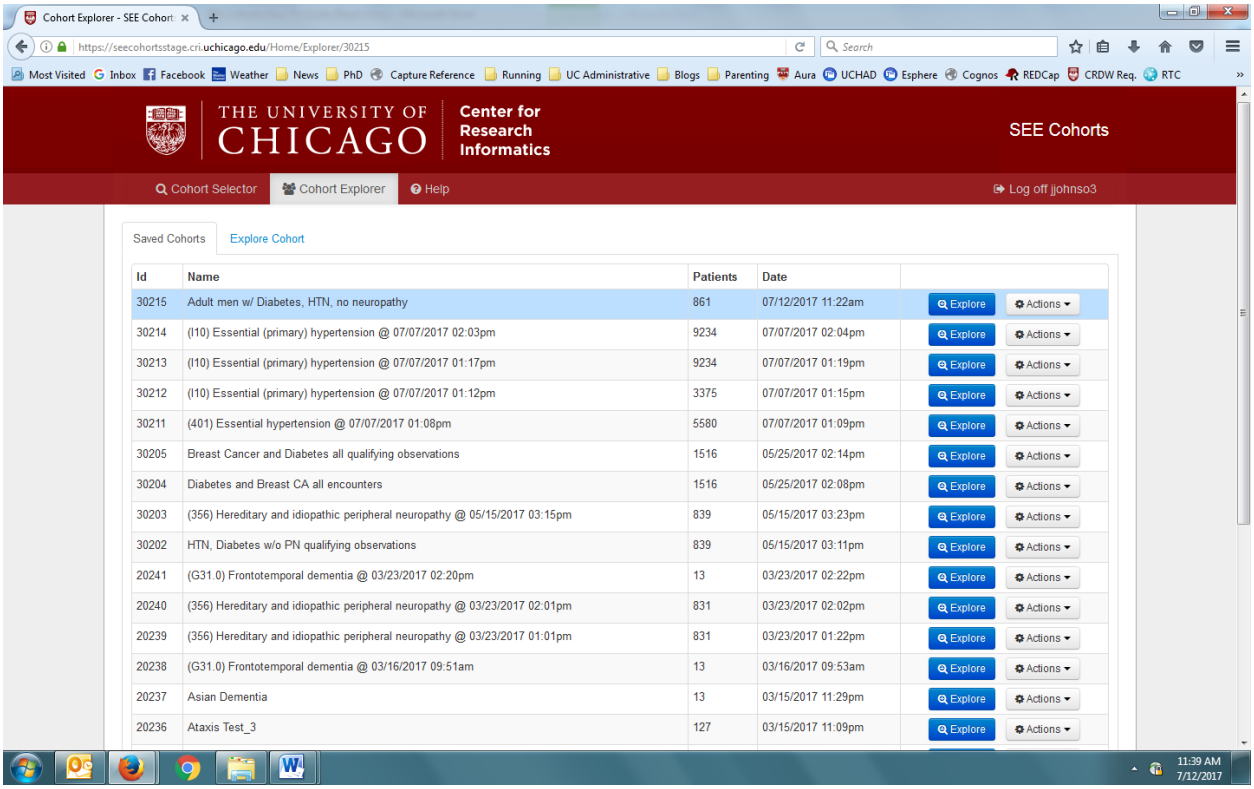
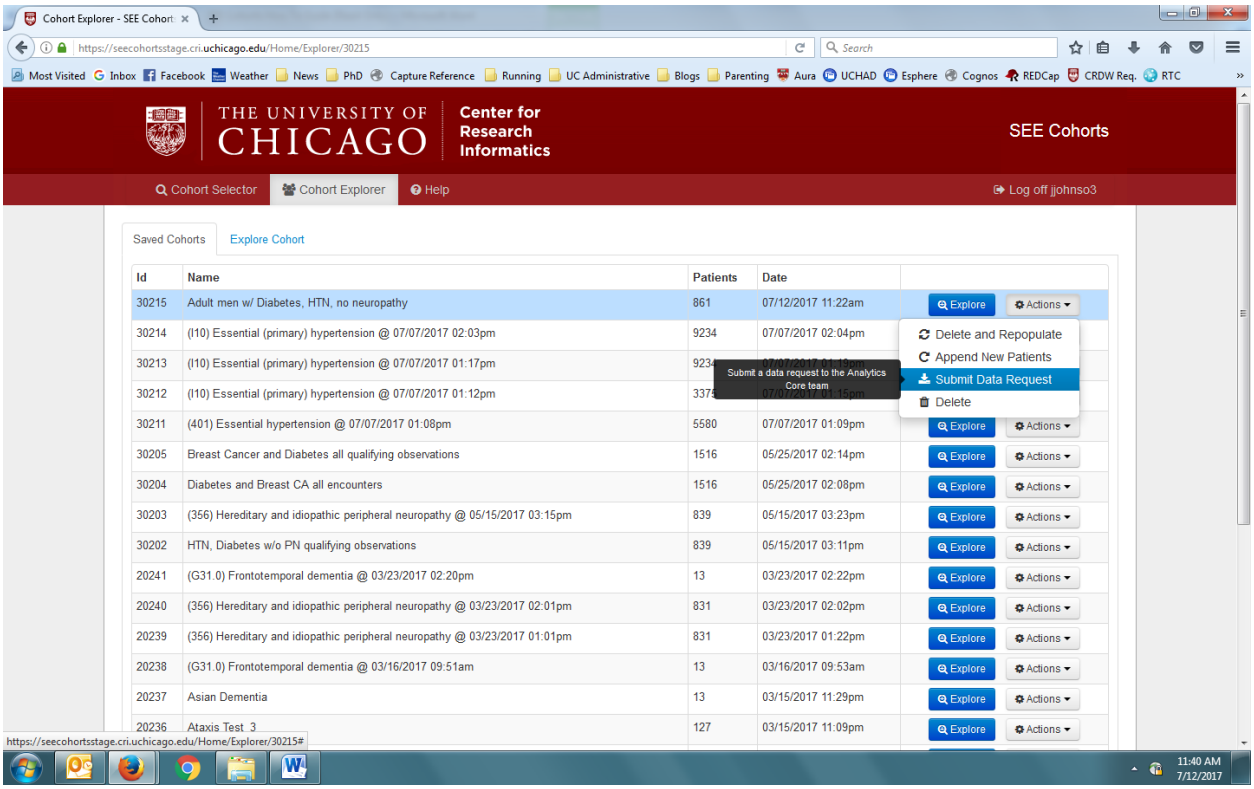
21. Once you are satisfied with your cohort, select 'Saved Cohorts' from the toolbar.



22. If you would like to request your data, select 'Submit Data Request' from the Actions dropdown for your saved query. You may also append or delete from this dropdown menu.



Note: When you select 'Submit Data Request', you will be routed to the Analytics Core Request System website, aka ACReS. Log in with your BSDAD or UCHAC and follow the instructions on the screen, referencing your SEECohorts query in the comments in addition to other important information. Someone will be in touch with you following your submission within 2-3 business days.