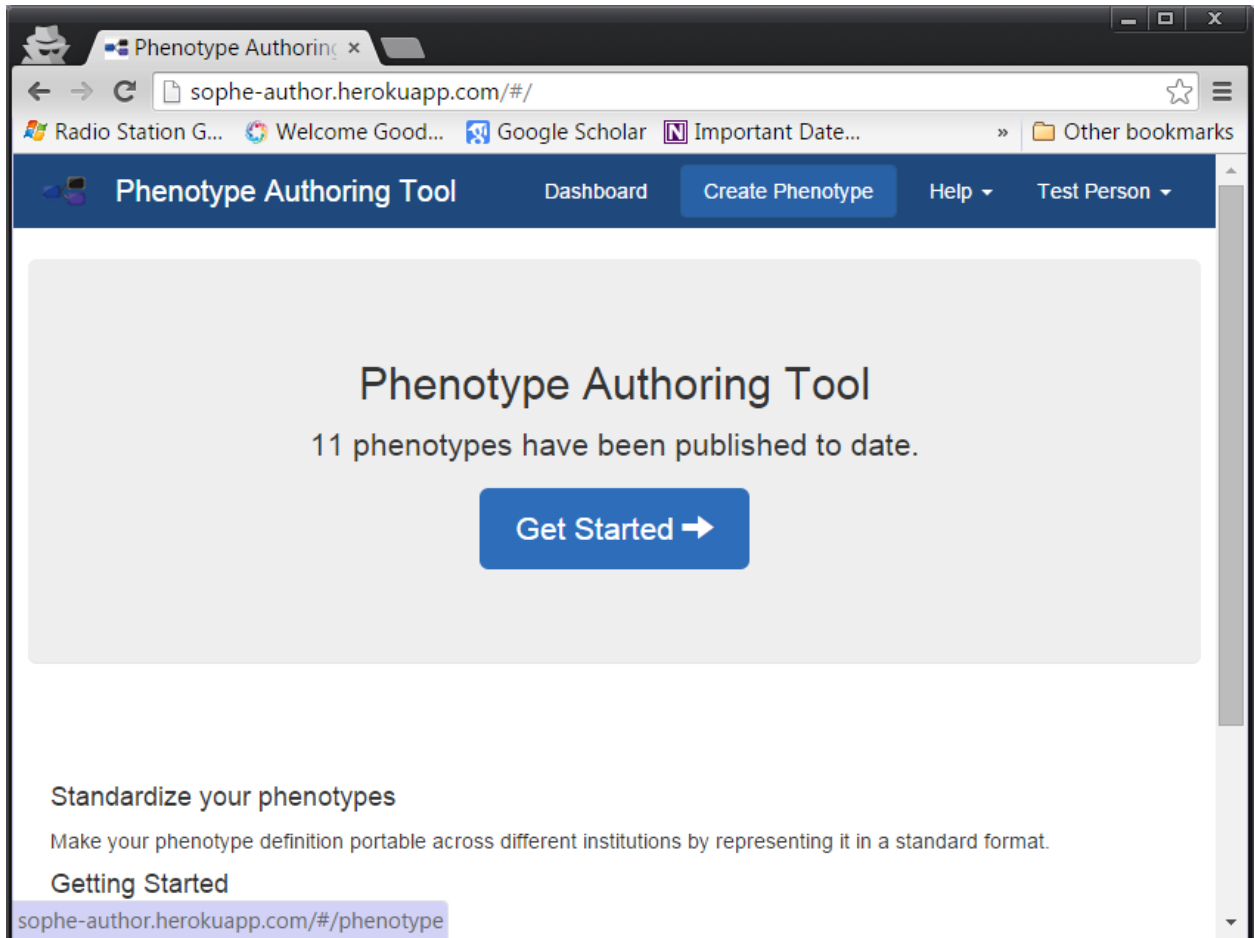
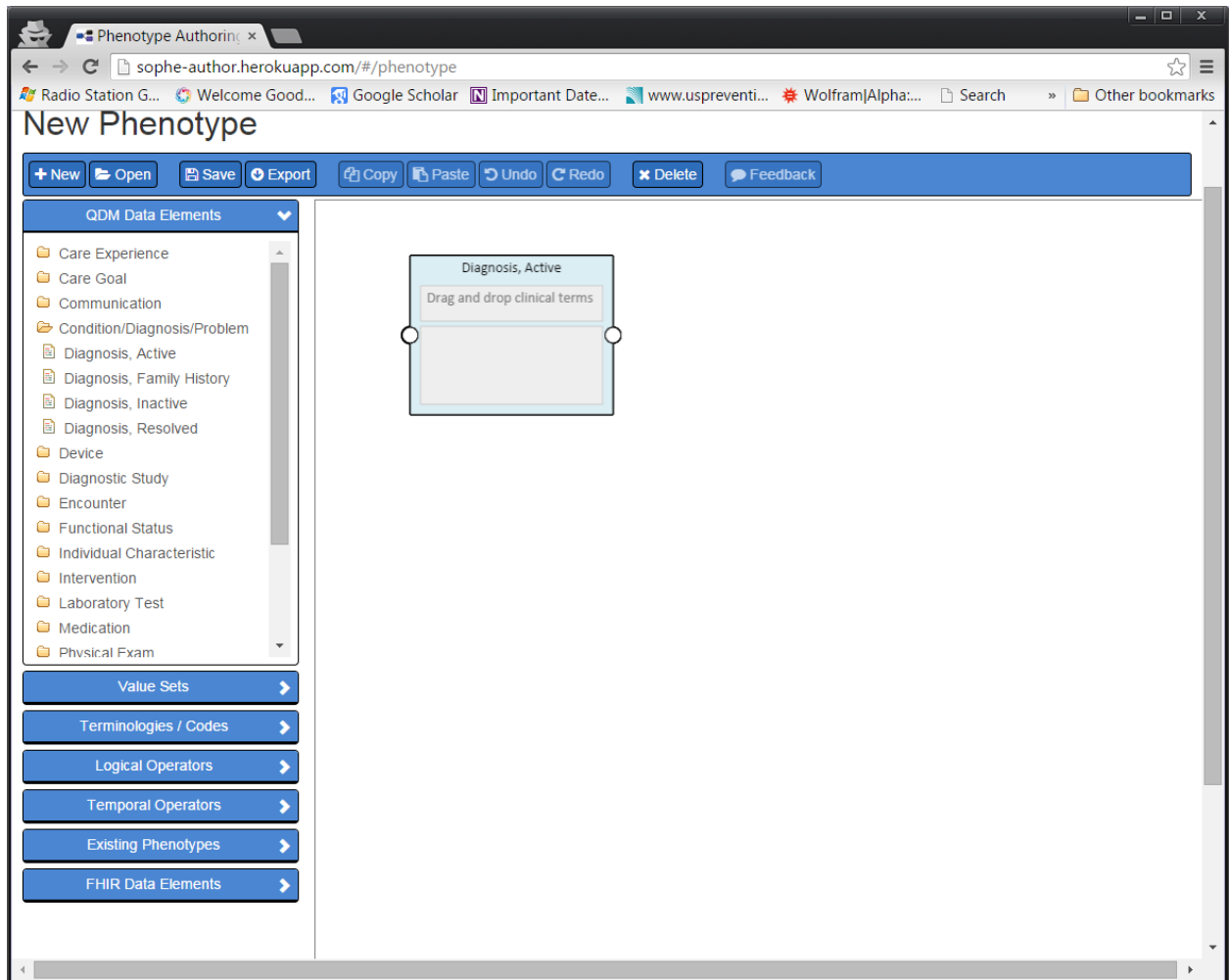


This guide should get you started on creating a model of your phenotype algorithm.

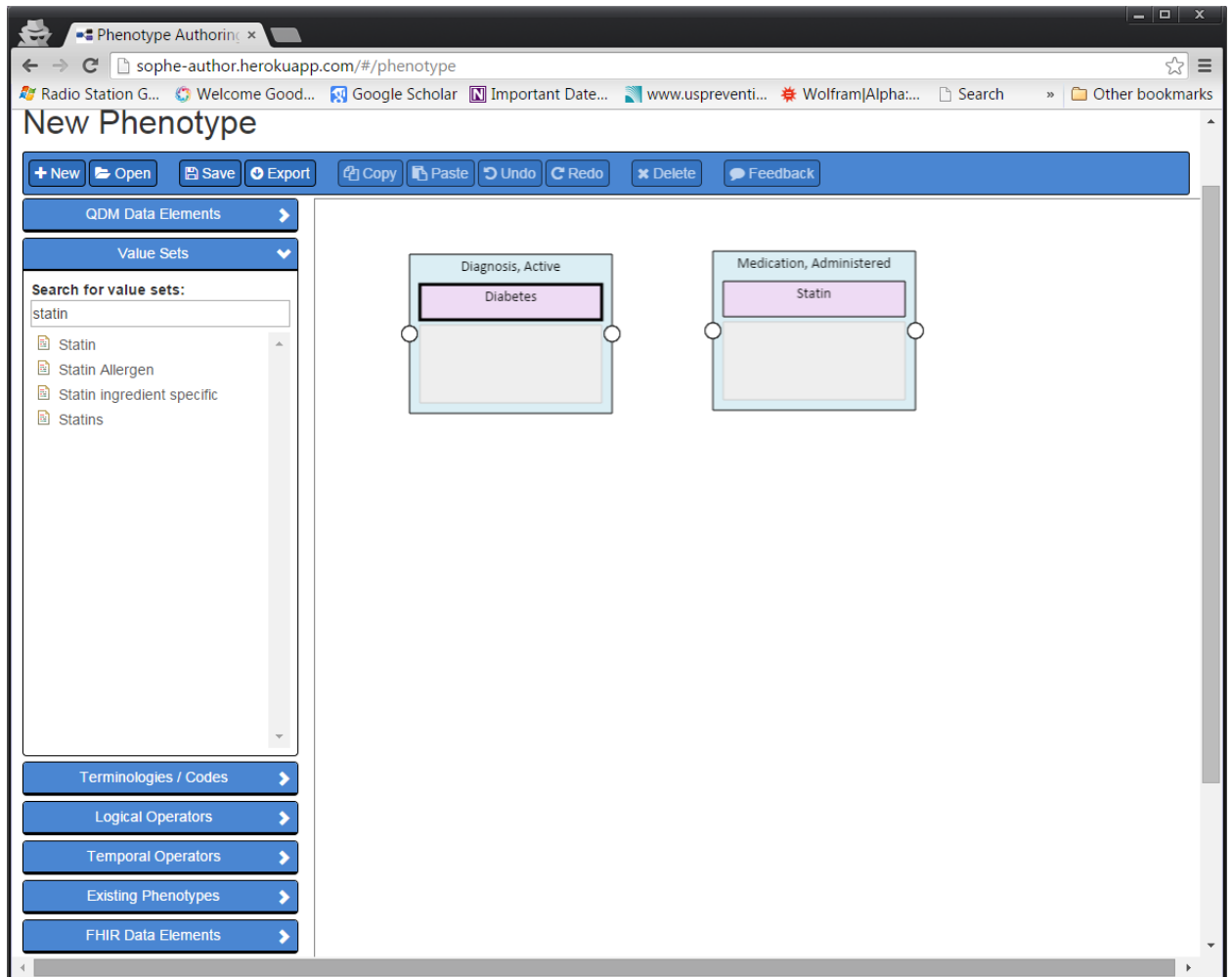
1. Go to <http://projectphema.org:8081/>
2. Click the “Get Started” button or Go to the “ Create Phenotype” tab



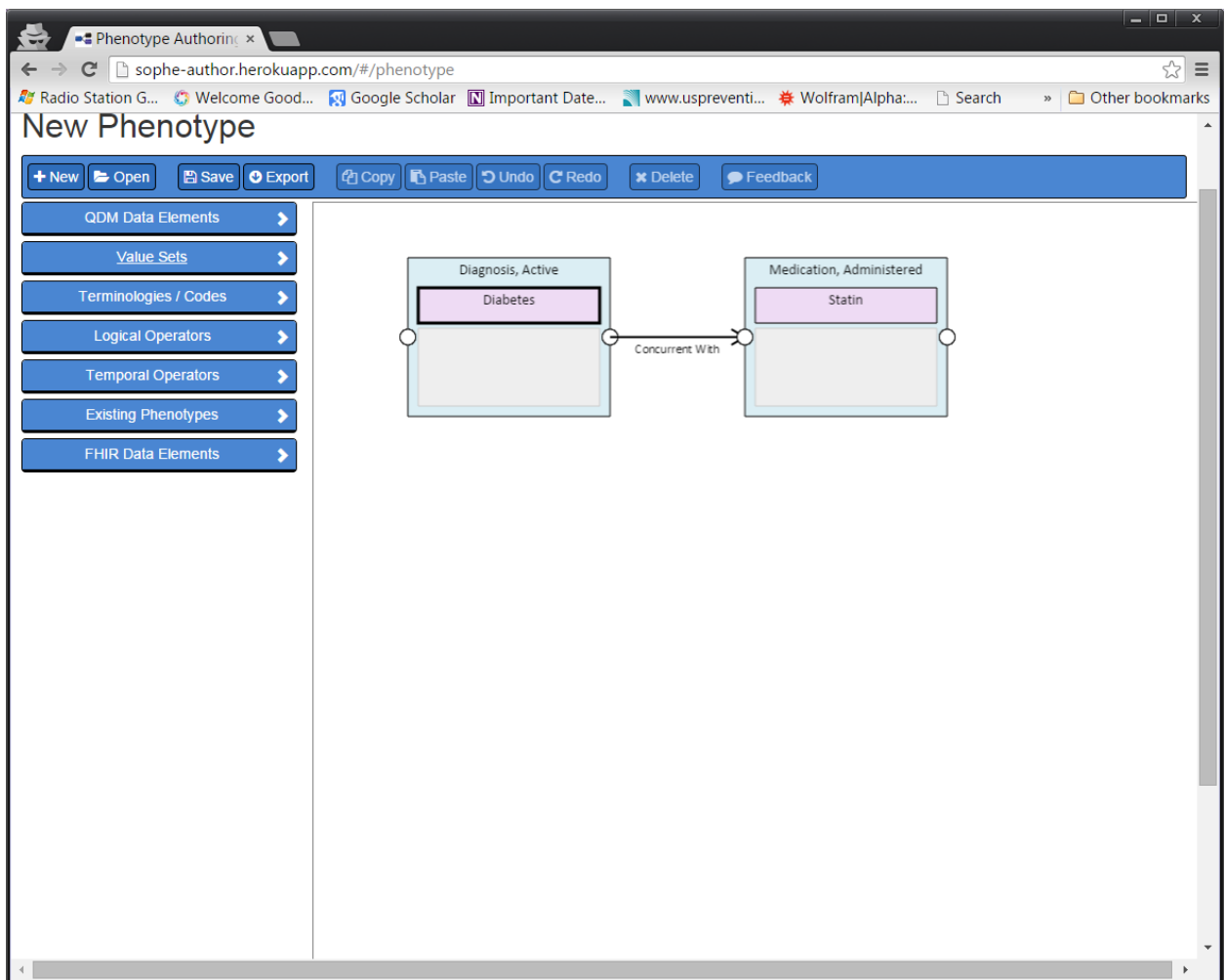
- Place the building blocks of your phenotype, which are the data elements, to be used to determine which subjects you meet your phenotype criteria, such as active diagnoses, or medications administered, for your phenotype. From the left menu pane, drag & drop existing “QDM Data Elements,” to use be able to use existing [QDM \(Quality Data Model\)](#) data elements, or drag & drop “Terminologies/Codes” which you can search for, if you want to create your own data elements, onto the blank workspace area on the right.



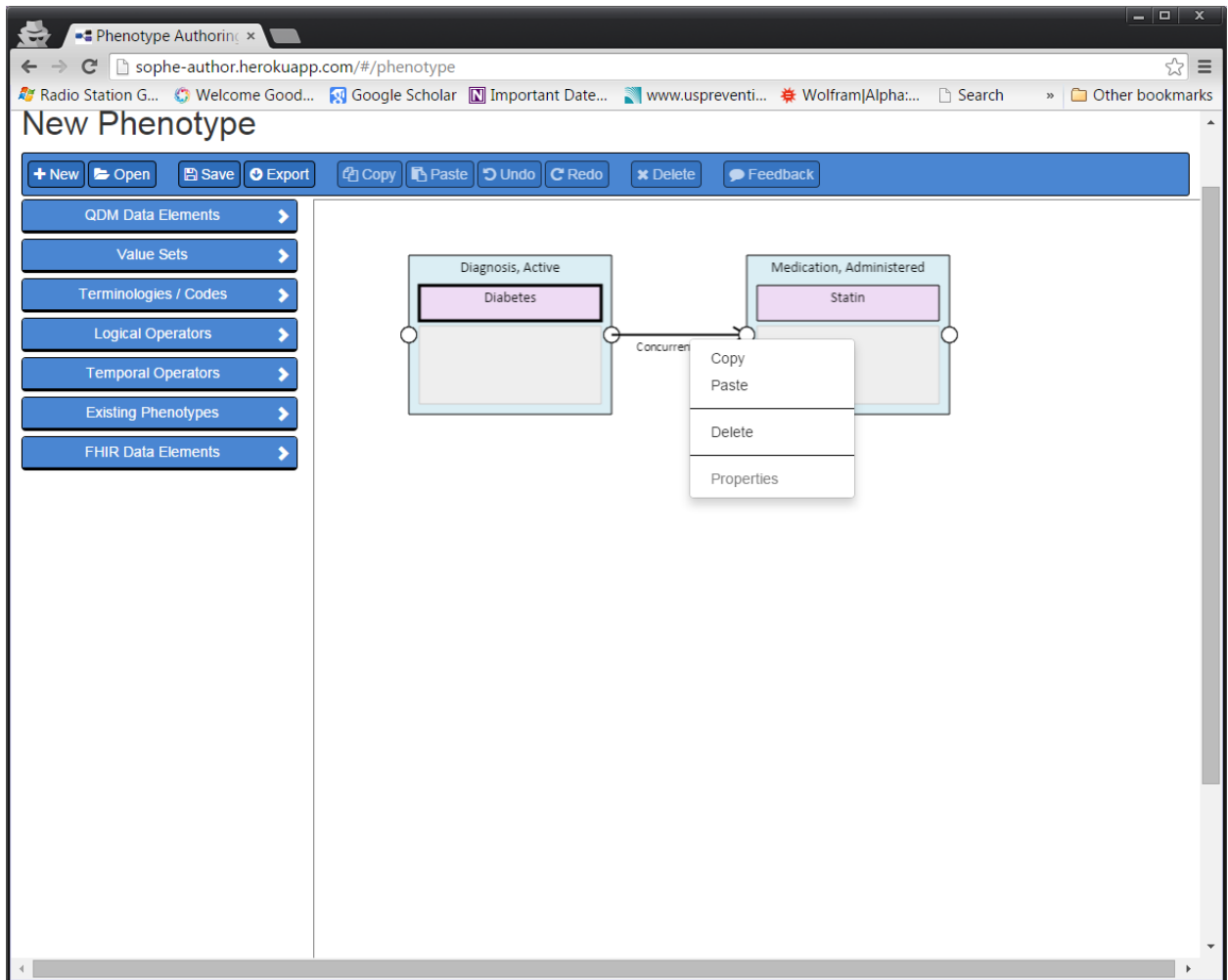
- For each element, drag & drop 1 or more “Value Sets” that further define those data elements, on the data element box. You can search value sets using keywords, or you can enter an OID (Object Identifier) number for an existing [Value Set Authority Center \(VSAC\) value set](#) if you already know it.



5. Connect your data elements to show the logical (such as AND, OR, NOT) and temporal (such as concurrent, before, after) relationships that represent how you will use these data elements to determine if subjects meet your phenotype criteria, such as subjects must meet the criteria for 1 data element but NOT the other, or must meet both (i.e., the logical AND relationship), or for temporal relationships, must meet both at the same time or one before the other. Do this by dragging from a circle on the side of 1 element to the circle of another element, which will create a directional arrow, and a pop-up menu will appear asking you to define that relationship.



6. Right-click on any arrow or element to further define its Properties or to delete it.



Phenotype Authoring

sophe-author.herokuapp.com/#/phenotype

Radio Station G...Welcome Good...Google ScholarImportant Date...www.uspreventi...Wolfram|Alpha...SearchOther bookmarks

New Phenotype

+ NewOpen

QDM Data

Individual Characteristic

Intervention

Laboratory Test

Laboratory Test Event

Laboratory Test

Laboratory Test

Laboratory Test

Laboratory Test

Recommendation

Medication

Medication, Administered

Medication, Adverse Effects

Medication, Allergy

Medication, Discharge

Medication, Dispensed

Value Sets

Search for value sets:

statin

Statin

Statin Allergen

Statin ingredient specific

Statins

Define the Medication, Active

Value set: Statin ID: (2.16.840.1.113883.3.117.1.7.1.225) [Select](#)

Negation Rationale

Cumulative Medication Duration

Patient Preference

Dose

Frequency

Stop Datetime

Start Datetime

Provider Preference

Route

OK

Cancel

7. Repeat steps 3-6 until your phenotype algorithm definition is complete. Move around boxes in the workspace as needed. Delete boxes by right-clicking on an element you wish to delete and selecting delete from the pop-up context-sensitive menu, or use the Delete button in the menu bar at the top.
8. Save your phenotype using the Save button
9. Export your phenotype using the Export button