

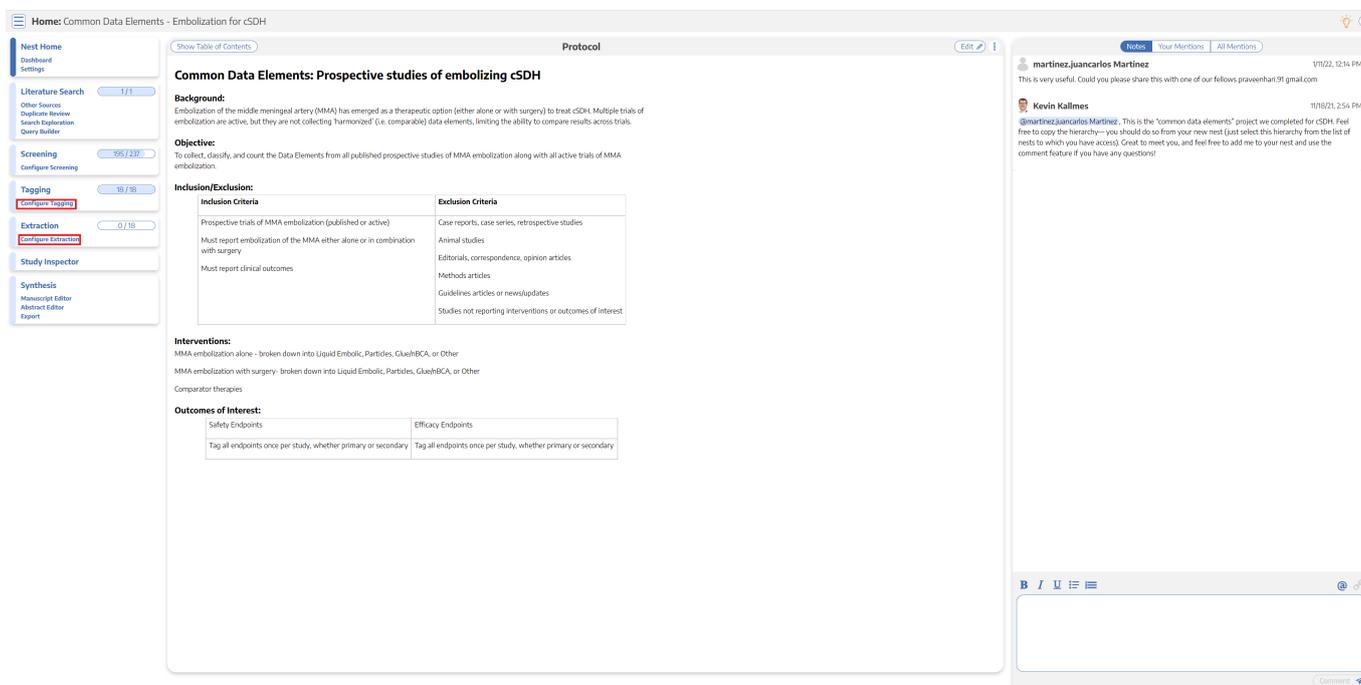
# Configure Intervention and Data Elements

In order to Extract, you first need to Configure Interventions and Data Elements, which you do from the Configure Study Tags page in order to reuse the structure you built during the Tagging stage.

**Interventions** correspond to the types of therapies/treatments/medications etc. that were compared across the articles and appear as purple in the Tagging Hierarchy. **Data Elements** refer to all other relevant data from the article that will be extracted and appear as gold in the Tagging Hierarchy.

**Note:** Only one hierarchy can be designated as your Intervention hierarchy, but any node in your hierarchy can be configured as a Data Element. There is no requirement, however, that every tag be configured as a data element!

## Where does Extraction Configuration take place?

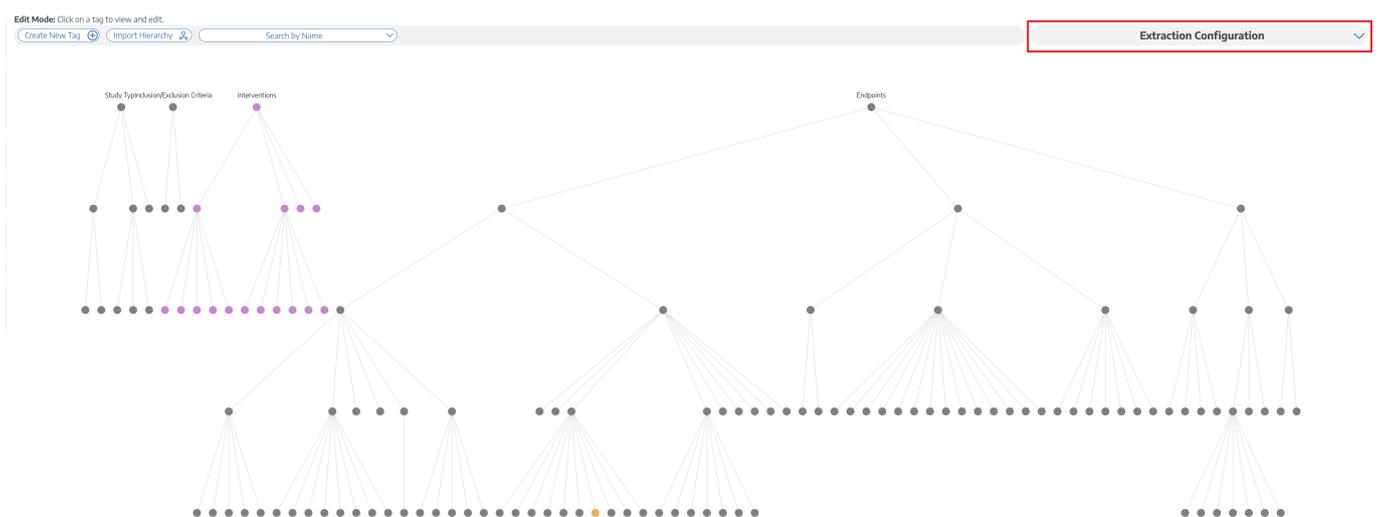


Extraction can be configured in two places: in the same location that Tags are configured or under "Configure Extraction" in the Extraction module. Extraction configuration is integrated into tagging configuration in order to use your existing hierarchy to structure your Interventions and Data Elements.

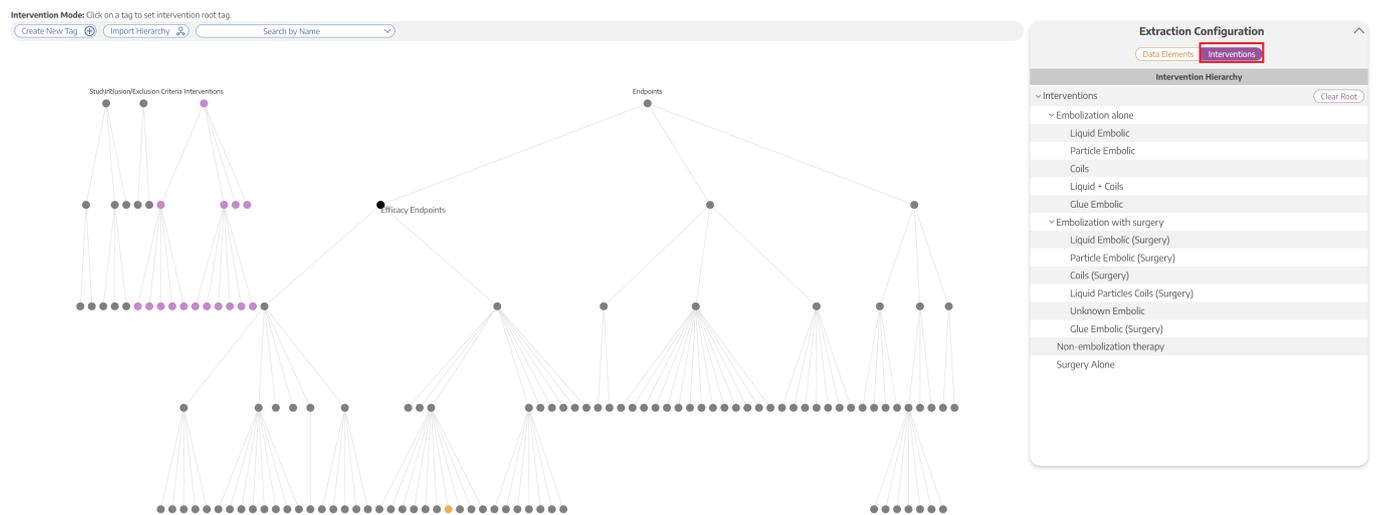
## Configuring Interventions

### 1. Open the Extraction Configuration panel

Expand the "Extraction Configuration" dropdown button on the right.



## 2. Toggle to Interventions



## 3. Click on the "Interventions" Root Tag

The Intervention list on the right corresponds to all of the tags underneath the "Intervention" root tag

The screenshot shows the software interface with a tree diagram on the left and an 'Extraction Configuration' panel on the right. The tree diagram has a root node 'Interventions' circled in red. The 'Extraction Configuration' panel has a tab for 'Interventions' selected, and a list of intervention types. The 'Interventions' list is highlighted with a red border.

**Extraction Configuration**

Intervention Hierarchy

- Interventions
- Embolization alone
  - Liquid Embolic
  - Particle Embolic
  - Coils
  - Liquid + Coils
  - Glue Embolic
- Embolization with surgery
  - Liquid Embolic (Surgery)
  - Particle Embolic (Surgery)
  - Coils (Surgery)
  - Liquid Particles Coils (Surgery)
  - Unknown Embolic
  - Glue Embolic (Surgery)
- Non-embolization therapy
- Surgery Alone

**Intervention tags can easily be changed. For example, by simply opening the Interventions tab and clicking “Endpoints”, all tags under “Endpoints” are now Interventions for your Extraction.**

The screenshot shows the software interface with a tree diagram on the left and an 'Extraction Configuration' panel on the right. The tree diagram has a root node 'Endpoints' circled in red. The 'Extraction Configuration' panel has a tab for 'Interventions' selected, and a list of intervention types. The 'Endpoints' list is highlighted with a red border.

**Extraction Configuration**

Intervention Hierarchy

- Endpoints
- Efficacy Endpoints
- Imaging Outcomes
  - cSDH Width
    - cSDH Width at 2 weeks
    - cSDH Width at 6 weeks
    - cSDH width at 90 days
    - cSDH Width at 6 months
    - Width >10mm at 6 months
  - cSDH Volume
    - cSDH Volume at 90 days
    - cSDH Volume at 180 days
    - Volume Reduction at 60 days
    - Volume Reduction at 8 weeks
    - Volume Reduction at 16 weeks
    - Volume Reduction at 24 Weeks
    - Percent Volume Change at 6 months
    - Percent Volume Change at date of First Progression
  - Midline Shift
  - Radiographic Resolution
  - Post-operative imaging methods description, if present
  - See Sampled Excerpts
  - cSDH Size
    - Reduction of cSDH Size at 90 days
    - Change in SDH size at 6 months
    - Change in SDH size at 1 day
    - Change in SDH size at 2 weeks
    - Change in SDH size at 6 weeks
- Clinical Outcomes
  - Surgical Rescue/Reintervention

**This is important to note because if you accidentally leave the incorrect hierarchy as the Interventions and then you go to extract, these incorrect Interventions options (for instance, “Endpoints” tags in the example above) will appear under the Intervention drop-down menu instead of the “Interventions” tags**

**Luckily, this is easily fixed: just navigate back to the Data Elements Menu within the Tagging Hierarchy, click on the “Interventions” root tag, and viola, your Interventions are Interventions once again!**

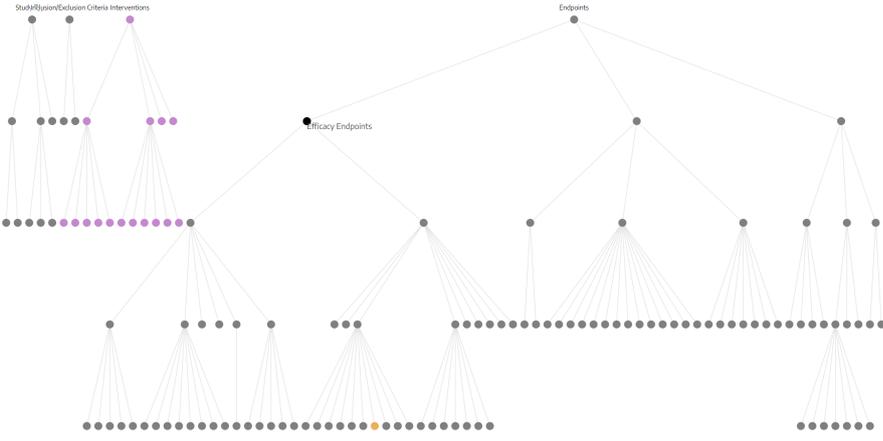
# Configuring Data Elements

## 1. View the Data Elements Menu

Navigate to the Data Elements Menu and click “Data Elements”

Data Element Mode: Click on a tag to set a data element.

Create New Tag Import Hierarchy Search by Name



Extraction Configuration

Name	Data Type	
16 week Mortality	Dichotomous	⊖
180 Day Mortality		⊕
246 Week Mortality		⊕
30 day Mortality		⊕
60 day Mortality		⊕
7 day Mortality		⊕
8 Week Mortality		⊕
90 day mortality		⊕
Active Cohort Study (prospective)		⊕
Active Non-Randomized Trial		⊕
Active Randomized Controlled Trial		⊕
Active Trials		⊕
(ADL) Activities of Daily Living		⊕
Artery Dissection		⊕
Assessments/Surveys		⊕
Barthel Index		⊕
Change in SDH size at 1 day		⊕
Change in SDH size at 2 weeks		⊕
Change in SDH size at 6 months		⊕
Change in SDH size at 6 weeks		⊕
Clinical Outcomes		⊕
CNS Infection		⊕
Coils		⊕
Coils (Surgery)		⊕
Common Exclusion Criteria		⊕
Common Inclusion Criteria		⊕
Completed but Unpublished Trial		⊕
Complications reporting		⊕
Contrast agent allergy or encephalopathy		⊕

Click a row to configure

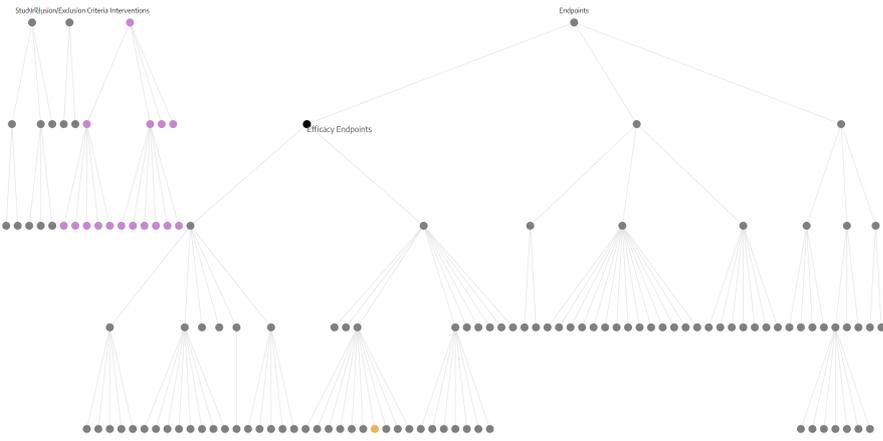
**The data elements tab will show you a list of all tags, which you can select either in the list or by clicking on the tag node.**

## 2. Turn tag into Data Element

Click the plus sign next to a tag to turn the tag into a Data Element

Data Element Mode: Click on a tag to set a data element.

Create New Tag Import Hierarchy Search by Name



Extraction Configuration

Name	Data Type	
16 week Mortality	Dichotomous	⊖
180 Day Mortality		⊕
246 Week Mortality		⊕
30 day Mortality		⊕
60 day Mortality		⊕
7 day Mortality		⊕
8 Week Mortality		⊕
90 day mortality		⊕
Active Cohort Study (prospective)		⊕
Active Non-Randomized Trial		⊕
Active Randomized Controlled Trial		⊕
Active Trials		⊕
(ADL) Activities of Daily Living		⊕
Artery Dissection		⊕
Assessments/Surveys		⊕
Barthel Index		⊕
Change in SDH size at 1 day		⊕
Change in SDH size at 2 weeks		⊕
Change in SDH size at 6 months		⊕
Change in SDH size at 6 weeks		⊕
Clinical Outcomes		⊕
CNS Infection		⊕
Coils		⊕
Coils (Surgery)		⊕
Common Exclusion Criteria		⊕
Common Inclusion Criteria		⊕
Completed but Unpublished Trial		⊕
Complications reporting		⊕
Contrast agent allergy or encephalopathy		⊕

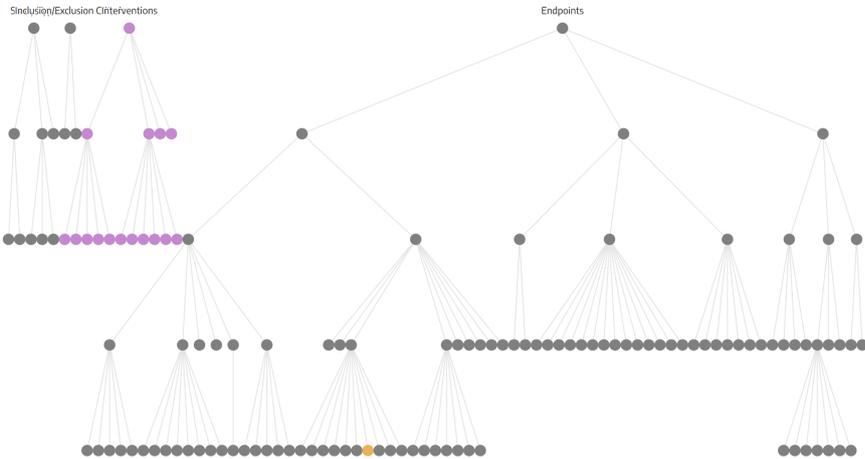
Click a row to configure

### 3. Select the Data Type

Continuous, Dichotomous, or Categorical (Mandatory)

Data Element Mode: Click on a tag to set a data element.

Create New Tag (+) Import Hierarchy (🔗) Search by Name (🔍)



Extraction Configuration

Data Elements Interventions

Name	Data Type	
16 week Mortality	Dichotomous	⊖
180 Day Mortality		⊕
246 Week Mortality		⊕
30 day Mortality		⊕
60 day Mortality		⊕
7 day Mortality		⊕
8 Week Mortality		⊕
90 day mortality		⊕
Active Cohort Study (prospective)		⊕
Active Non-Randomized Trial		⊕
Active Randomized Controlled Trial		⊕
Active Trials		⊕
(ADL) Activities of Daily Living		⊕
Artery Dissection		⊕
Assessments/Surveys		⊕
180 Day Mortality		
Data Type:		
	Continuous	
	Dichotomous	
	Categorical	

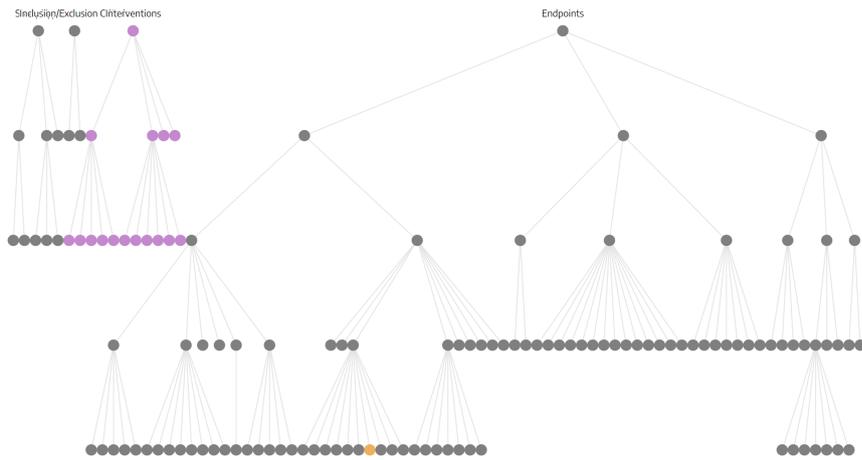
**Depending on the data type, different inputs will populate. For example, if a data element is categorical, you will be able to specify the different categories.**

### 4. Select the Expected Timepoint

Baseline or Outcome - Choose the Expected Timepoint based on whether the data was collected at Baseline or as an Outcome (Mandatory)

Data Element Mode: Click on a tag to set a data element.

Create New Tag (+) Import Hierarchy (🔗) Search by Name (📄)



### Extraction Configuration

Data Elements Interventions

Name	Data Type	
16 week Mortality	Dichotomous	⊖
180 Day Mortality		⊕
246 Week Mortality		⊕
30 day Mortality		⊕
60 day Mortality		⊕
7 day Mortality		⊕
8 Week Mortality		⊕
90 day mortality		⊕
Active Cohort Study (prospective)		⊕
Active Non-Randomized Trial		⊕
Active Randomized Controlled Trial		⊕
Active Trials		⊕

**180 Day Mortality**

Data Type: Continuous

Expected Timepoint: Baseline Outcome

Unit:

Central Tendency Measure:

Close Save

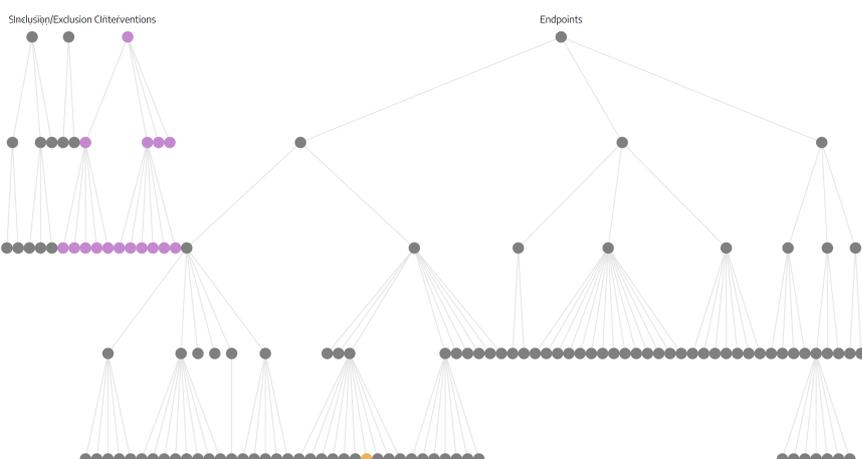
**If the data element can be both a Baseline and an Outcome, choose Baseline.**

## 5. Select the Direction

Higher Better or Lower Better (if applicable) - For example, the Data Element is "Mortality", Lower Better would most likely be appropriate

Data Element Mode: Click on a tag to set a data element.

Create New Tag (+) Import Hierarchy (🔗) Search by Name (📄)



### Extraction Configuration

Data Elements Interventions

Name	Data Type	
16 week Mortality	Dichotomous	⊖
180 Day Mortality		⊕
246 Week Mortality		⊕
30 day Mortality		⊕
60 day Mortality		⊕
7 day Mortality		⊕
8 Week Mortality		⊕
90 day mortality		⊕
Active Cohort Study (prospective)		⊕
Active Non-Randomized Trial		⊕
Active Randomized Controlled Trial		⊕
Active Trials		⊕

**180 Day Mortality**

Data Type: Continuous

Expected Timepoint: Outcome

Direction: Higher Better Lower Better

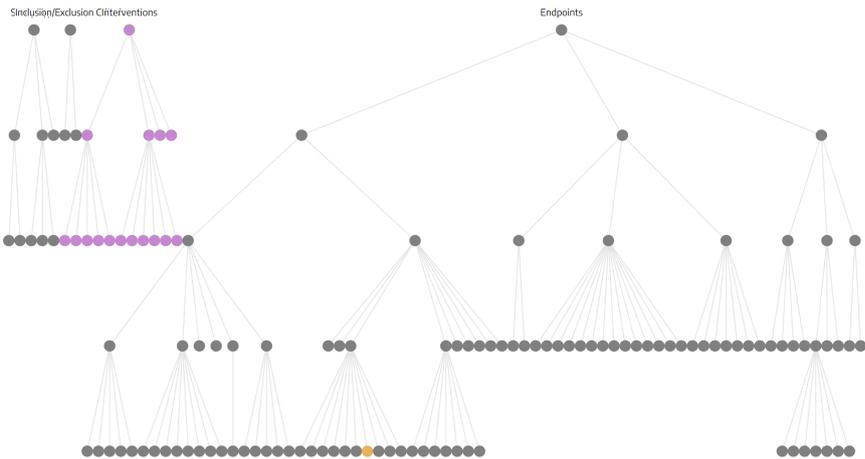
Close Save

## 6. Add the Measurement Units

Example: Mintues, mL, kg (if applicable)

Data Element Mode: Click on a tag to set a data element.

Create New Tag (+) Import Hierarchy (🔗) Search by Name (🔍)



Extraction Configuration

Name	Data Type
16 week Mortality	Dichotomous
180 Day Mortality	
246 Week Mortality	
30 day Mortality	
60 day Mortality	
7 day Mortality	
8 Week Mortality	
90 day mortality	
Active Cohort Study (prospective)	
Active Non-Randomized Trial	
Active Randomized Controlled Trial	
Active Trials	

**180 Day Mortality**

Data Type: Continuous

Expected Timepoint: Outcome

Direction: Lower Better

Units: Unit

Central Tendency Measure

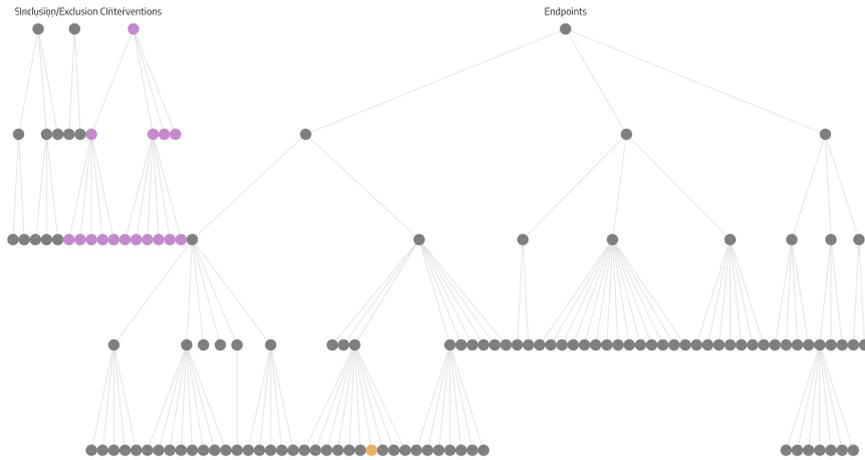
Close Save

## 7. Add the Central Tendency Measurement

Mean or Median (Mandatory for continuous variables) - After choosing Mean or Median, it will also ask you about "Dispersion Measure" (SD for Mean; IQR or Range for Median)

Data Element Mode: Click on a tag to set a data element.

Create New Tag (+) Import Hierarchy (🔗) Search by Name (📄)



### Extraction Configuration

Data Elements Interventions

Name	Data Type	
16 week Mortality	Dichotomous	⊖
180 Day Mortality		⊕
246 Week Mortality		⊕
30 day Mortality		⊕
60 day Mortality		⊕
7 day Mortality		⊕
8 Week Mortality		⊕
90 day mortality		⊕
Active Cohort Study (prospective)		⊕
Active Non-Randomized Trial		⊕
Active Randomized Controlled Trial		⊕

**180 Day Mortality**

Data Type: Continuous

Expected Timepoint: Outcome

Direction: Lower Better

Units: Unit

Central Tendency Measure: Mean

Mean  
Median

Close Save

## 8. Click Save

Confirm that the configuration worked based on whether the node turned gold, and move on to configure any other Data Elements of interest

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