

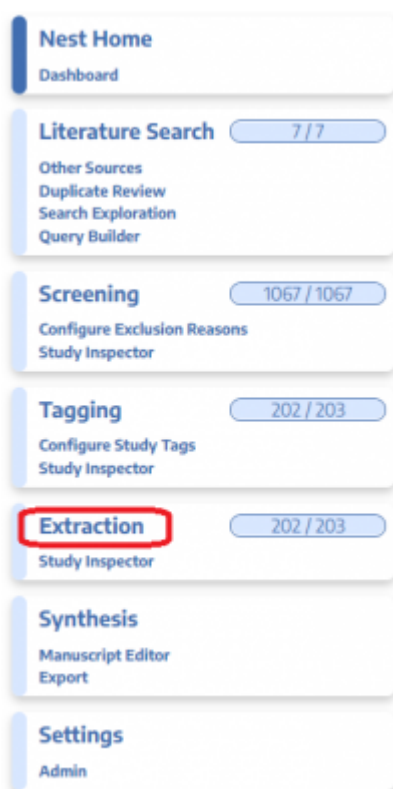
# Data Extraction

Once you have [configured](#) your Interventions and Data Elements, you are ready to extract data from all included studies in the nest.

## Steps for Data Extraction:

### 1. Navigate to Extraction

Select “Extraction” from the menu:



Alternatively, you can Extract data from the “Extract” tab in Inspector. See [here](#) for details on how to get to the Study Modal.

### 2. Add Study Arms

Study Arms represent the patient groups you plan to extract.

#### 2a. Add Rows

To add study arms and identify the Intervention used for each arm, click the “+” button (red circle) in the Study Arms section of the Study Design panel (upper right). Add one Arm for every patient group

from the study you plan to extract.

The screenshot displays a web browser window on the left and a mobile app interface on the right. The browser window shows the abstract of a study titled "A Single Flow Re-direction Endoluminal Device for the Treatment of Large and Giant Anterior Circulation Intracranial Aneurysms" from the Yonsei Medical Journal. The mobile app interface, titled "Navigation", shows a "Study Design" section with a table of study arms. A red arrow points to the "Intervention" dropdown menu, which is currently set to "No Selection". A red circle highlights a "+" button in the top right corner of the app interface.

## 2b. Identify Interventions

Then, determine what Intervention the study investigated and then find that Intervention using the Intervention drop down menu (see above, red arrow).

## 2c. Identify Arm Sizes

Next, determine how many participants were included in the study and put that number in the "Arm Size" box.

**Add a new Study Arm for every patient group you want to extract separately.**

## 3. Extract the Data:

Once you have finished establishing the Study Arms, you are ready to extract the data from the underlying study. The first step in doing so, for each Data Element, is establishing the Measurement Timepoint for each Data Element.

### 3a. Select Measurement Timepoints

Each Data Element has one Timepoint presented by default; select whether this timepoint will be:

- **Baseline:** Usually reported at the start of a study. One Baseline timepoint per Data Element will be displayed on Synthesis.
- **Outcome:** Reported at a designated follow-up period. One Outcome timepoint per Data Element will be displayed on Synthesis.
- **Other:** Any additional timepoint reported that is of interest. Any number of Other timepoints may be created and saved in AutoLit, but **"Other" timepoints will not be presented on**

Synthesis.

Extracted Data

nihs

Pre-operative NIHSS (mean)

Timepoint	Time	Units	
Baseline	0	Days	
Outcome	17.62	4.33	69
Other 25			
Timepoint	Time	Units	
Outcome	24	Hours	
Arm	Mean	SD	N
Solitaire	14.66	8.92	69
Timepoint	Time	Units	
Other 25	7	Days	
Arm	Mean	SD	N
Solitaire	11.47	10	69



When you designate a timepoint as “Baseline” or “Outcome”, you are designating that its data should be pooled with other studies' data. This means that the Measurement Timepoint you designate as “Outcome”, for instance, in each study, must be similar to the “Outcome” timepoint designated in all other studies in that nest.

3b. Enter Time and Units for each Measurement Timepoint

For each Timepoint, enter the follow-up period with the appropriate unit of time (Days, Weeks, etc.). For Baseline Timepoints, this will typically be 0 days.

FIGURE

3c. Extract the Data for each Measurement Timepoint

Read through the study and extract the relevant data scoped to each specific Timepoint. ***If the total population for that Data Element differs from the total population you reported for the Study Arm as a whole, ensure that you edit this information in the “N” column.***

FIGURE

3d. How to use Tags to inform Extraction

If you hover over the tag symbol on each data point, you will notice that the tags applied will appear. This allows for a quick and efficient way to confirm the work of the taggers, as well as the tags giving information to you as the extractor.

FIGURE

### 3e. How to use the "Status" symbols

**CAUTION:** Watch for the red Xs that appear under "Status". This means something is wrong with the data.

FIGURE

***If any of your data elements have a red X, DO NOT hit "Complete". You will need to figure out the problem and fix it before hitting "Complete" or risk losing the data from that row.***

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## 4. Complete Data Extraction

Once you have input all of the relevant and correct data AND all of the timepoints for each Data Element you extracted have a green check mark, you can hit complete and move onto the next study!

FIGURE

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