

# Dual Extraction

**Dual Extraction** is a quality-controlled extraction process, where two users independently extract data from each article, and then all data are adjudicated by an Administrator.

The Admin adjudicates any disagreement between Reviewer A and Reviewer B and sets the final determination for each study. For example, if Reviewer A extracts the mean age as 70 but Reviewer B extracts it as 71, the Adjudicator will then need to choose between those values and identify the correct one.

**Only those with Admin privileges can serve as Adjudicators, but any user can serve as a Reviewer**

This feature is useful to ensure that your team curates the most accurate and high quality data possible. Dual extraction can help with this since it has been shown that dual extraction results in fewer errors than single extraction. ([source](#))

## Configure Dual Extraction

Nest Home

Dashboard

Literature Search

Other Sources

Duplicate Review

Search Exploration

Query Builder

Screening

3 / 3

Configure Exclusion Reasons

Study Inspector

Tagging

0 / 3

Configure Study Tags

Study Inspector

Dual Extraction

2 / 3

Adjudicate Extraction

Study Inspector

Synthesis

Manuscript Editor

Export

Settings

Admin

To configure dual extraction, go to the Admin page under settings and then scroll to the Extraction section. Then, toggle to dual extraction to turn this feature on.





**Warning:** Toggling back from Dual Extraction to Standard Extraction will **ONLY** save final adjudications, and **all data associated with non-final individual users' extractions will be lost!**

## Dual Extraction Steps

### 1. Two users must independently extract the data.

Once Dual Extraction is configured (see above), The software will automatically queue individual studies to users until at least two Extractions are Marked Complete.

If you need help with the Extraction process, check out [this page](#). Each study will appear in the Adjudicate Extraction queue only after two independent extractions are Marked Complete.



Unlike Standard (single) Extraction, when a user is finished extracting in Dual mode, the data are NOT displayed on Synthesis. In Dual Extraction, data are queued for Adjudication, and displayed on Synthesis only after Adjudication on the study in question is Marked Complete.

### 2. Adjudicate the data

Go to the Adjudicate Extraction page to review the data extracted by the two independent, underlying users. At first the page will appear the same as the Dual Extraction page. To view the two independent decisions, expand the right hand tabs by clicking the arrows icon in the left corners.

This will display three columns: Reviewer A, Reviewer B, and Final. The adjudicator will put the correct data in the Final column, adjudicating differences between the reviewers. Disagreements between

reviewers are highlighted in red. The adjudicator can choose to input the same data as either of the reviewers or neither of them if they were both wrong. To enter in data, hit the plus sign and fill in the cells. When done, to move on to the next study, hit Complete in the top right corner.

Navigation

BackSkipComplete

Study Design

Arms

| Reviewer A   |          | Reviewer B   |          | Final |  |
|--------------|----------|--------------|----------|-------|--|
| Intervention | Arm Size | Intervention | Arm Size |       |  |
| Daclatasvir  | 12       | Daclatasvir  | 11       | ✓     |  |
| Sofosbuvir   | 10       | Sofosbuvir   | 10       | ✓     |  |

Extracted Data

Filter Data Elements

| Reviewer A  |        |       | Reviewer B  |        |       | Final      |        |       |
|-------------|--------|-------|-------------|--------|-------|------------|--------|-------|
| Age Median  |        |       | Age Median  |        |       | Age Median |        |       |
| Asthma      |        |       | Asthma      |        |       | Asthma     |        |       |
| Timepoint   | Time   | Units | Timepoint   | Time   | Units | Timepoint  | Time   | Units |
| Baseline    | 5      | Days  | Baseline    | 5      | Days  | Baseline   | 0      | Days  |
| Arm         | Events | Total | Arm         | Events | Total | Arm        | Events | Total |
| Daclatasvir | 2      | 12    | Daclatasvir | 4      | 11    |            |        |       |
| Sofosbuvir  | 1      | 10    | Sofosbuvir  | 3      | 10    |            |        |       |
| Cancer      |        |       | Cancer      |        |       | Cancer     |        |       |

From:

<https://wiki.nested-knowledge.com/> - **Nested Knowledge**

Permanent link:

<https://wiki.nested-knowledge.com/doku.php?id=wiki:autolit:extraction:dual&rev=1663368378>

Last update:

**2022/09/16 22:46**