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 qualitly 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

To configure dual extraction, go to the Settings page under Nest Home and then scroll to the Extraction section. Then, select dual extraction to turn this feature on.

Extraction

Checking this box will make the Extraction module available in AutoLit, allowing you 👘 🔿 Data Extraction to extract data.

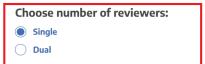
Single vs. Dual Extraction

In Standard Extraction, one user extracts each study and that data is considered final. Another user may review or modify final data, but the data is not subject to systematic independent confirmation.

In Dual Extraction, two users independently extract each study and all data are reviewed by an administrator. The administrator adjudicates disagreements between the original reviewers and generates the final data set.

Choose whether to extract data:

1/3



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.

Abstract	Full Text Supplements Related Reports		РМС	~	₹	Navigation	^
Q	🖉 🗟 🕨	Z ¼ k G ⊖ ⊕ :				Skip Cor	mplete
	G • P				₹	Study Design	~
						Final	
		Journal of			Arms		
	J Antimicrob Chemother 2020; 75 : 3379–3385	Antimicrobial				Intervention Arm S	ize 🔶
	doi:10.1093/jac/dkaa334 Advance Access publication 19 August 2020	Chemotherapy			-		
					₹	Extracted Data	^
					Filter	r Data Elements	
	Sofosbuvir and daclatasvir compared with stand					Add one or more arms	
	treatment of patients admitted to hospital with r						
	coronavirus infection (COVID-19): a randomize	d controlled trial					
	Anahita Sadeghi 💿 ¹, Ali Ali Asgari¹, Alireza Norouzi², Zahedin Kheiri³, Amir An	unhimmanil Mahman Mantanani4					
	Hadiseh Hosamirudsai ⁵ . Shirin Afhami ⁶ . Elham Akbarpour 💿 ¹ . Rasoul Aliann	eiad ⁷ . Amir Reza Radmard ⁸ .					
	Amir H. Davarpanah ⁹ , Jacob Levi ¹⁰ , Hannah Wentzel ¹¹ , Ambar Qavi ¹¹ , Anna G Andrew Hill ¹⁴ and Shahin Merat () ¹ *	arratt ¹² , Bryony Simmons ¹³ ,	Downloa				
	Anarew Hitt 🛛 ana Shanin Merat 😈 "		nload				

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. You may use the arrows icon to toggle between viewing reviewer decisions and the study. When done, to move on to the next study, hit Complete in the top right corner.

					3/3						du	
											~	
									9	Skip Con	plete	
			Study Design								/	
					_							
Reviewer A								Final				
						Intervei	vention			Arm Size		
Daclatasvir Sofosbuvir												
			Extracted Data								1	
Reviewer A			Reviewer B					Final			_	
Age Median 🖉					Age	Median 🤣						
						-						
			_		Asth							
					1		~	Time	0		~	
	Total	Arm	Events	Total	~	Arm	•	Events	0	Total		
Events				Jotai								
Events 2	12	Daclatasvir	4	11	\checkmark							
	Reviewer A Reviewer A	Arm Size 12 10 10 Reviewer A Time Units	Reviewer A Arm Size Intervention 12 Daclatasvir 10 Sofosbuvir Reviewer A Age Median Time Units	Arm Size Intervention 12 Dadatasvir 10 Sofosbuvir Extracted Data Reviewer A Reviewer A Reviewer B Age Median Age Median Time Units Timepoint	Reviewer A Arm Size Intervention Arm Size 12 Dadatasvir 11 10 Sofosbuvir 10 Extracted Data Reviewer A Reviewer B Age Median Age Median Age Median Image Intervention Asthma Image Intervention Image Interventio Image Intervention Image Intervention Image Interventi Image Inte	Reviewer A Arm Size 12 Dadatasvir 11 10 Sofosbuvir 10	Reviewer B Intervention Arm Size Intervention 12 Dadatasvir 11 10 10 10 Sofosbuvir 10 10	Reviewer A Arm Size Intervention Arm Size Intervention 12 Dadatasvir 11 10 Sofosbuvir 10	Reviewer B Final Arm Size Intervention Arm Size Intervention 12 Dadatasvir 11 10 Softsbuvir 10	Study Design Final Arm Size Intervention Arm Size Intervention 12 Dadatasvir 11 Intervention 10 10 Sofosbuvir 10 0 0 0 Extracted Data Final Reviewer A Reviewer B Final Age Median ? Final Age Median ? Final Asthma ? Asthma ? Time Units Time Onits Time	Study Design Final Arm Size Intervention Arm Size 12 Dadatasvir 11 Intervention Arm Size 10 Sofosbuvir 10 Intervention Arm Size Final 10 Sofosbuvir 10 Intervention Arm Size Reviewer A Age Median I Intervention Arm Size Age Median I Intervention Arm Size Age Median I Intervention Age Median I Time Units Timepoint Time Units Timepoint Time	

From: https://wiki.nested-knowledge.com/ - Nested Knowledge

Permanent link: https://wiki.nested-knowledge.com/doku.php?id=wiki:autolit:extraction:dual&rev=1668877301

Last update: 2022/11/19 17:01