How study centric data management in RevMan Web streamlines systematic review production

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Zoom

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➢ To ask a written question, click on “Chat” to open the chat
Moving fully to RevMan Web

As of 25 April 2023

- Check out to RevMan 5 is disabled

- Check in to RevMan 5 will remain active until 18 May: 
  Please check these into RevMan Web ASAP

In preparation for this we have made sure that:

- All types of Cochrane reviews are supported in RevMan Web

- You can subscribe to access RevMan Web for reviews that are not published in Cochrane
Benefits of RevMan Web

- Instant access to updates
- Collaborative working
- Optimized for the original risk of bias tool and Risk of Bias 2 (intervention reviews)
- Integration with GRADE Pro GDT (intervention reviews)
- Study centric data...
Study centric data

Trusted evidence.
Informed decisions.
Better health.
What is study centric data (management)?

Authors plan their analyses at protocol stage within RevMan to facilitate data extraction and automatically populate their analyses in review stage.

Enables authors to work smarter in RevMan
Methods underpinning study centric data

2.3 Defining the scope of a review question

Throughout the Handbook we make a distinction between the scope of the review and the questions it will address.

- The **review PICO** (planned at the protocol stage) is the PICO that needs to be included and what is excluded from the review.
- The **PICO for each synthesis** (also planned at the protocol stage) is the specific construct that the synthesis aims to answer, determining how the synthesis will be carried out (which comparisons (including intervention and comparator group), and which subgroups).
- The **PICO of the included studies** (determined at the review stage) is the PICO of the included studies.
Key benefits

- Systematic approach to predefining and structuring analyses
- Easy transfer of large data sets into RevMan
- Re-use data in different analyses
- Automatic data transformation
- Simplified exploration of your results
- Greater impact of your published Review
From 25 April, I'm an author

With a brand-new review: Study centric data recommended and default in RevMan (authors can still use custom analyses if they want)

And have a protocol or review in development but have not yet started data extraction: Consider switching to study centric data due to the benefits.

And have already started data extraction OR I'm working on an update: Switching is possible but can be complicated and requires authors to re-do work (such as revisiting original study reports, setting up review criteria in RevMan, developing data import files, re-doing analyses).
What does it look like
What does it look like?
What does it look like?
Where do you add your data?

Study centric data analysis (new default):
Study result data entered and stored in the included study (1) for each outcome (2) after adding the study arms
Where do you add your data?

Custom-input analysis (previous default):
Study result data entered and stored in the data table of each analysis

![Data Table Example]

<table>
<thead>
<tr>
<th>Study</th>
<th>Vitamin D Events</th>
<th>Vitamin D Total</th>
<th>Placebo Events</th>
<th>Placebo Total</th>
<th>Weight</th>
<th>Odds ratio M-H, Random, 95% CI</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forno 2020</td>
<td>36</td>
<td>96</td>
<td>33</td>
<td>96</td>
<td>100.0%</td>
<td>1.15 [0.63, 2.07]</td>
<td></td>
</tr>
<tr>
<td>Total (95% CI)</td>
<td>36</td>
<td>96</td>
<td>33</td>
<td>96</td>
<td>100.0%</td>
<td>1.15 [0.63, 2.07]</td>
<td></td>
</tr>
</tbody>
</table>
"Honestly, I think it’s great!! I genuinely got a little **thrill when I saw my forest plot automatically appear** after importing the data!"

"I actually think that it is quite a cool thing for RevMan to be able to do, and I think that it **could really appeal to authors**. The whole PICO in advance thing could help authors save effort - if you’re laser-focused on your planned analyses, you won’t end up extracting data endlessly that you’ll never use."
Aims of new review format project

1. Streamline the development and publication of Cochrane reviews
2. Improve author, editor and user experience
3. Innovate in how we share and use our content
Innovate in how we share and use our content

- Living reviews
- Evidence surveillance
- Enhanced CDSR content
- Improved protocols
- Enhanced CENTRAL

Focused article format
Improved data management

Review format project
Building the foundations in 2023

**Data**
- Study centric data
- Data extraction import
- Data package export
- Data re-use

**Review**
- Fewer comparisons
- Focus on main outcomes
- Templates
- Supplementary materials
- Flat reference list
- Studies summary
Previous research and recommendations on review format

Recommendations from commissioned work from Cochrane Cologne

Consultation to define scope of the 2023 developments
What it means for

**Authors**: Cochrane is a more attractive publishing option, improved experience, decreased time producing reviews, increased research impact

**Editors, peer reviewers, copyeditors**: Improved experience, decreased time completing tasks

**Readers, users**: Improved readability and accessibility, more efficient uptake in guidelines
Resources

For study centric data changes

1. Study centric data Cochrane Training portal
2. RevMan Knowledge Base with YouTube tutorials
3. News items, FAQs and other social promotion
4. Contact support@cochrane.org
Training

For study centric data changes

1. Announcement webinar on 11/12 May
2. Methods & practical application on 24/25 May
3. Training and resources for trainers
4. Workshops to the Colloquium
5. Updates to Cochrane Interactive Learning
Questions?
Thanks for taking part

- **Contact us:**
  - Tweet us @cochraneTrain, #cochranelearninglive
  - or send an e-mail to support@cochrane.org
  - **Upcoming events:**
    - [training.cochrane.org/cochrane-learning-live](http://training.cochrane.org/cochrane-learning-live)
- **Interested in joining Cochrane?**
  - [cochrane.org/join-cochrane](http://cochrane.org/join-cochrane)