



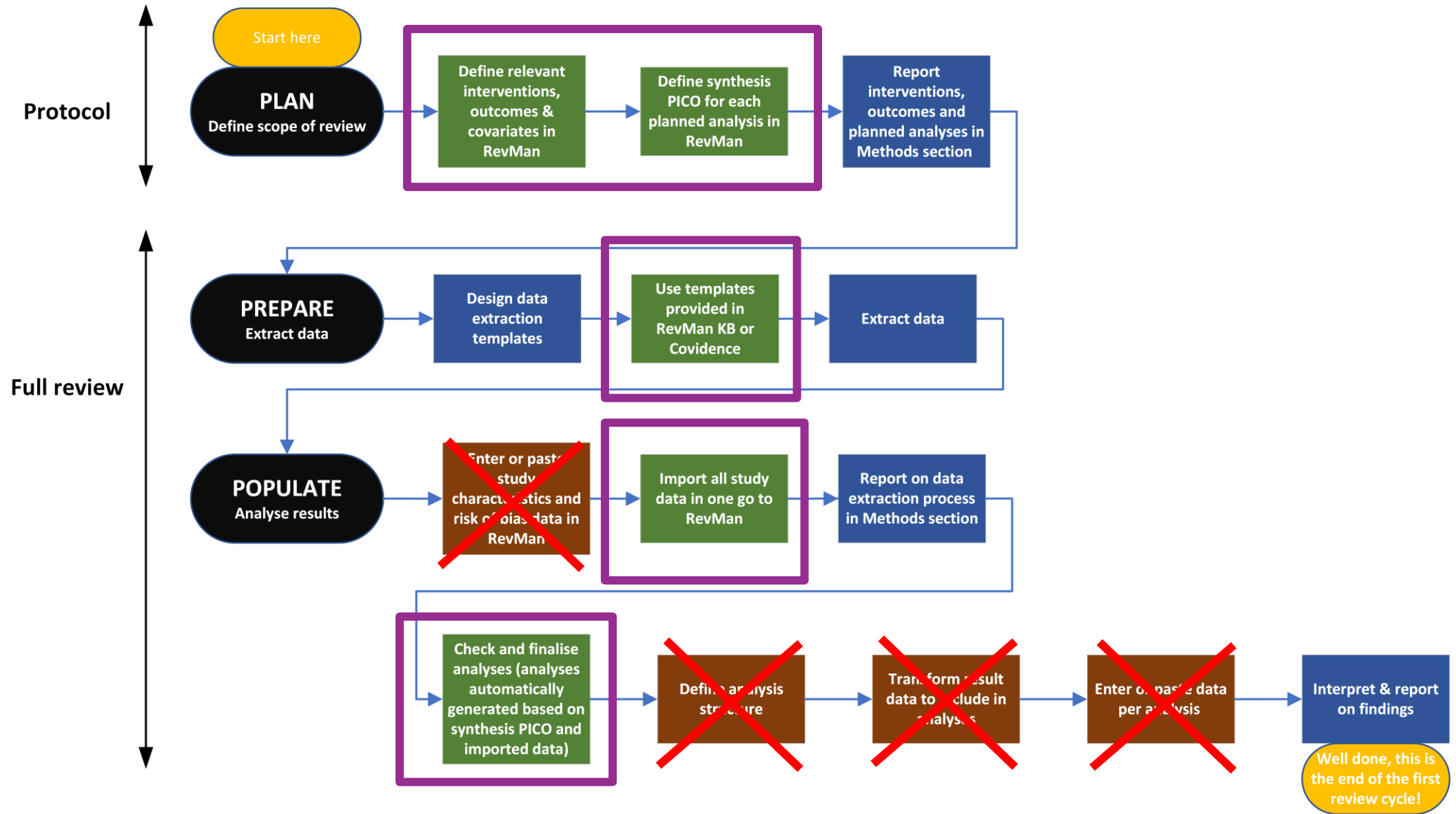
How to use study centric data management

A practical showcase

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New task
Task no longer relevant
Task exist in both processes



This showcase aligns with the self-guided practical exercise

What is your research question?



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Vitamin D for the management of asthma

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Abstract

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Background

Several clinical trials of vitamin D to prevent asthma exacerbation and improve asthma control have been conducted in children and adults, but a meta-analysis restricted to double-blind, randomised, placebo-controlled trials of this intervention is lacking.

Objectives

To evaluate the efficacy of administration of vitamin D and its hydroxylated metabolites in reducing the risk of severe asthma exacerbations (defined as those requiring treatment with systemic corticosteroids) and improving asthma symptom control.

Search methods

We searched the Cochrane Airways Group Trial Register and reference lists of articles. We contacted the authors of studies in order to identify additional trials. Date of last search: January 2016.

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Am score 794 Cited in 4 guidelines

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Analysis 1: A broad synthesis question

- (P) Population: Participants with asthma, any age
- (I) Experimental intervention: Vitamin D, any type
- (C) Control intervention: Placebo, any type
- (O) Outcome: One or more exacerbations (defined as a dichotomous outcome)

*‘An **exacerbation** is a **worsening of asthma** requiring the **use of systemic corticosteroids** (or for patients on a stable maintenance dose, an increase in the use of systemic corticosteroids) **to prevent a serious outcome.**’*



Analysis 2: A narrow synthesis question

(P) Population: Participants with asthma, any age

(I) Experimental intervention: Cholecalciferol only

(C) Control intervention: Placebo

(O) Outcome: One or more exacerbations (defined as a dichotomous outcome)



Analysis 3: A sensitivity analysis

(P) Population: Participants with asthma, any age

(I) Experimental intervention: Vitamin D

(C) Control intervention: Placebo, any type

(O) Outcome: One or more exacerbations (defined as a dichotomous outcome)

Filter by covariate: exclude values where daily dose is ≥ 2000



Analysis 4: A subgroup analysis

(P) Population: Participants with asthma, any age

(I) Experimental intervention: Vitamin D

(C) Control intervention: Placebo, any type

(O) Outcome: One or more exacerbations (defined as a dichotomous outcome)

Subgroup by covariate: subgroup by daily dose



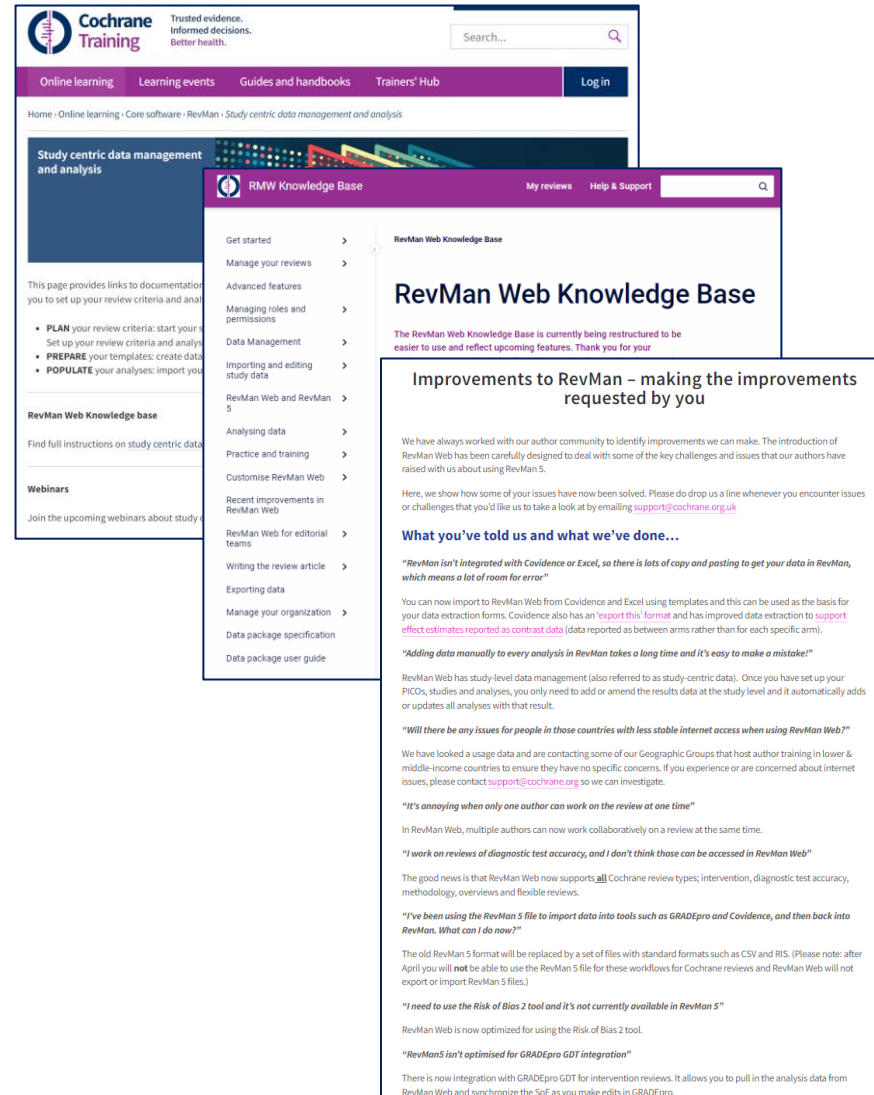
Questions?



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



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Study centric data management and analysis

This page provides links to documentation you to set up your review criteria and analysis.

- **PLAN** your review criteria: start your review
- **PREPARE** your templates: create data extraction forms
- **POPULATE** your analyses: import your data

RevMan Web Knowledge base

Find full instructions on study centric data management and analysis.

Webinars

Join the upcoming webinars about study centric data management and analysis.

RMW Knowledge Base

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RevMan Web Knowledge Base

The RevMan Web Knowledge Base is currently being restructured to be easier to use and reflect upcoming features. Thank you for your patience.

Improvements to RevMan – making the improvements requested by you

We have always worked with our author community to identify improvements we can make. The introduction of RevMan Web has been carefully designed to deal with some of the key challenges and issues that our authors have raised with us about using RevMan 5.

Here, we show how some of your issues have now been solved. Please do drop us a line whenever you encounter issues or challenges that you'd like us to take a look at by emailing support@cochrane.org.

What you've told us and what we've done...

"RevMan isn't integrated with Covidence or Excel, so there is lots of copy and pasting to get your data in RevMan, which means a lot of room for error"

You can now import to RevMan Web from Covidence and Excel using templates and this can be used as the basis for your data extraction forms. Covidence also has an 'export this' format and has improved data extraction to **support effect estimates reported as contrast data** (data reported as between arms rather than for each specific arm).

"Adding data manually to every analysis in RevMan takes a long time and it's easy to make a mistake!"

RevMan Web has study-level data management (also referred to as study-centric data). Once you have set up your PICOs, studies and analyses, you only need to add or amend the results data at the study level and it automatically adds or updates all analyses with that result.

"Will there be any issues for people in those countries with less stable internet access when using RevMan Web?"

We have looked at usage data and are contacting some of our Geographic Groups that host author training in lower & middle-income countries to ensure they have no specific concerns. If you experience or are concerned about internet issues, please contact support@cochrane.org so we can investigate.

"It's annoying when only one author can work on the review at one time"

In RevMan Web, multiple authors can now work collaboratively on a review at the same time.

"I work on reviews of diagnostic test accuracy, and I don't think those can be accessed in RevMan Web"

The good news is that RevMan Web now supports **all** Cochrane review types; intervention, diagnostic test accuracy, methodology, overviews and flexible reviews.

"I've been using the RevMan 5 file to import data into tools such as GRADEpro and Covidence, and then back into RevMan. What can I do now?"

The old RevMan 5 format will be replaced by a set of files with standard formats such as CSV and RIS. (Please note: after April you will not be able to use the RevMan 5 file for these workflows for Cochrane reviews and RevMan Web will not export or import RevMan 5 files.)

"I need to use the Risk of Bias 2 tool and it's not currently available in RevMan 5"

RevMan Web is now optimized for using the Risk of Bias 2 tool.

"RevMan 5 isn't optimised for GRADEpro GDT integration"

There is now integration with GRADEpro GDT for intervention reviews. It allows you to pull in the analysis data from RevMan Web and synchronize the Sof as you make edits in GRADEpro.

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

Study-centric data analysis and data management in RevMan Web: methodological background and practical application

Study-centric data management in RevMan Web allows review authors to efficiently run the analyses based on the predefined synthesis PICO criteria. This RevMan Web feature is fully in line with the best methodological practice of determining the scope, review questions, inclusion criteria and groupings for synthesis at the protocol stage (as explained in the Chapters 2, 3 and 9 of the Cochrane Handbook for Systematic Reviews of Interventions, ver. 6.3, 2022).

In this webinar we will start by outlining the methods underpinning study-centric data management. We will explain how the review authors should plan the details of their analyses early in the development of the protocol and how this will later inform the setting up of analyses in RevMan Web.

We will then demonstrate study-centric data analysis in RevMan Web and highlight the efficiency gains in this approach to running the analyses. We will use a practice review to show the examples and you will be provided with the same example materials for you to practice using study-centric data in RevMan at your own time.

The webinar is aimed at everyone interested in planning and conducting systematic reviews, especially if using RevMan Web software. It will also be useful for people working in various editorial roles in Cochrane.





Thanks for taking part

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