

PRISMA diagrams

Most of the relevant numbers for your PRISMA diagrams can easily be found using **Frequency Reports**.

As you go through each stage of the review, you'll usually be following the standard steps of importing your references, checking for duplicates, initial screening on title & abstract, in-depth screening on full text, data extraction, reporting and writing up...

So you'll want to record the number of items you found in your initial searches and imported into EPPI Reviewer, the number of duplicates found within the items imported, and the numbers of items found to be relevant or irrelevant at each of the two screening stages.

You can see all your imported sources and the associated numbers under the **Sources** panel on the **Review Home** tab; you can save a **Report** of this info e.g.

The screenshot shows the EPPI Reviewer interface. The 'Sources' panel is highlighted with a red circle. It displays a table of sources with the following data:

Name	Items	Deleted	Duplicates
CENTRAL	263	0	22
AMED	5	0	5
EMCARE	150	0	50
EMBASE	498	0	264
MEDLINE	168	0	122
APA - APA PsycInfo	89	0	52
CINAHL	96	0	92
Manually Created Items	0	0	0

Name	Items	Deleted Items	Duplicates
CENTRAL	263	0	22
AMED	5	0	5
EMCARE	150	0	50
EMBASE	498	0	264
MEDLINE	168	0	122
APA - APA PsycInfo	89	0	52
CINAHL	96	0	92
	1269	0	607

You can get the main numbers from the **Review Home** tab – number of items currently under consideration in the review & number of duplicates (662 and 607 respectively).

The screenshot shows the 'Review home' tab with a navigation menu including 'References', 'Reports', 'Search & Classify', and 'Collaborate'. Below the menu, there are three buttons: 'Review Items', 'Import Items', and 'Manage Duplicates'. Underneath these buttons, the following statistics are displayed: 'Included: 662', 'Excluded: 0', 'Deleted: 607', and 'Duplicates: 607'.

You can see the distribution of items across a codeset via a **Frequency Report** – so you can see how many were screened and made it through to the next stage (how many were given an include code).

The screenshot displays the 'Reports' section of the interface. The 'Run Reports' dropdown is set to 'Frequencies and crosstabs'. The 'Rows' field is set to 'Screen on Title & Abstract'. The 'Columns' field is 'Not set (only used for Crosstabs)'. The 'Filter' field is 'Not set (optional)'. The 'Get Frequencies' button is highlighted. Below the form, there are options for 'Included', 'Excluded', and 'Both' (selected), and a 'Current code: Screen on Title & Abstract' field. The 'Show results as:' section has 'Table' selected. A table shows the following data:

Code	Count
INCLUDE on title & abstract	125
EXCLUDE on title and abstract	537
None of the codes above	0

On the right side, there is a 'Codes' panel with a list of codes including 'Screen on Title & Abstract', 'Screen on Full Text', 'Allocations', 'Retrieval status', 'Data Extraction', and 'Review Admin'. A 'Code description' box at the bottom right states: 'This codeset is for screening on Title and Abstract. It is constructed of Exclude and Include codes and has been set for'.

Again, these reports can be exported.

Review home | References | Reports | Search & Classify | Collaborate

Frequencies and crosstabs | Configurable reports | Run Reports

Rows: Screen on Full Text [Set] [Get Frequencies]

Columns: Not set (only used for Crosstabs) [Set]

Filter: Not set (optional) [Set Filter] [Clear Filter]

[Get Frequencies] [Get CrossTab] Included Excluded Both [Current code: Screen on Full Text]

Show results as: Table Pie chart Bar chart Show 'None of the codes above' [Export]

Code	Count
INCLUDE on full study	35
EXCLUDE NOT RCT	3
EXCLUDE NOT VITAMIN D	3
EXCLUDE NOT ENGLISH	1
EXCLUDE - CONFERENCE ABSTRACT	8

e.g. Screen on Title & Abstract -:

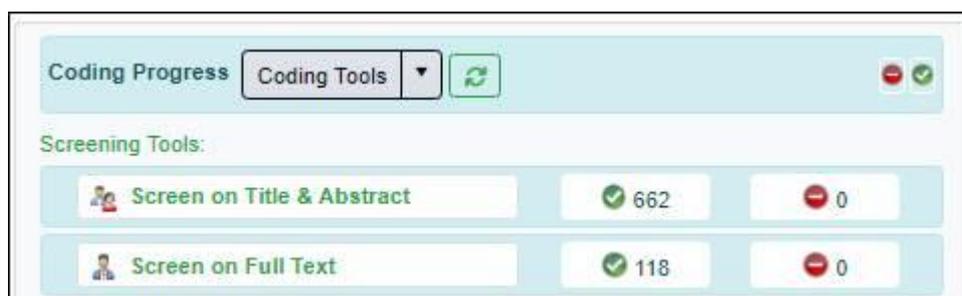
Code	Count
EXCLUDE on title and abstract	537
INCLUDE on title & abstract	125
None of the codes above	0

Screen on Full Text -:

Code	Count
EXCLUDE NOT RCT	3
EXCLUDE NOT VITAMIN D	3
EXCLUDE NOT ENGLISH	1
EXCLUDE - CONFERENCE ABSTRACT	14
EXCLUDE NOT BAME	7
EXCLUDE NO MEASURE OF BONE HEALTH	5
EXCLUDE - EDITORIAL	5
EXCLUDE - ABSTRACT	2

EXCLUDE - COMMENTARY	1
EXCLUDE - CALCIUM SUPPLEMENTATION	1
EXCLUDE - NOT OUTCOME MEASURES	35
EXCLUDE - unavailability of article	8
EXCLUDE - feasibility studies	1
EXCLUDE - unspecified results	7
EXCLUDE - dissertation	2
EXCLUDE - poster presentations	1
INCLUDE on full study	20
EXCLUDE - no placebo	3
None of the codes above	544

You can see how many of items were screened at each stage via the **Coding Progress** figures on the **Review Home** tab.

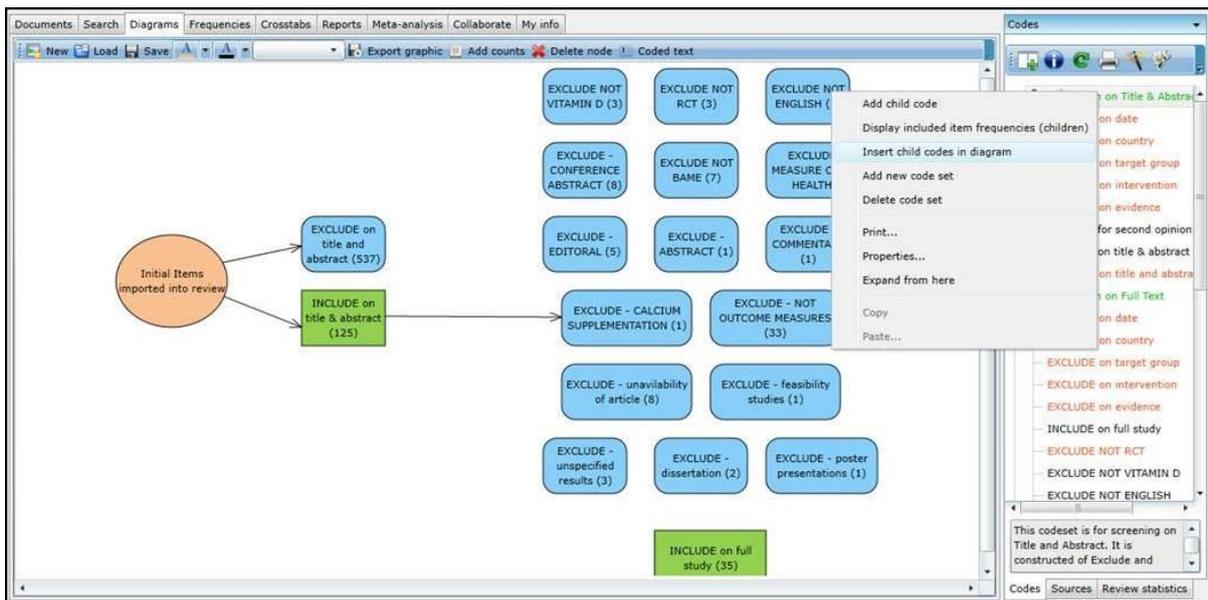


Note that you can use EPPI Reviewer 4 (ER 4) to create PRISMA diagrams. See <https://eppi.ioe.ac.uk/cms/Default.aspx?tabid=3848#ER4SetUp> for a guide to using it. See https://eppi.ioe.ac.uk/cms/Portals/35/ER4_8_0%20user%20manual.pdf#page=131 for link to info about the diagram.

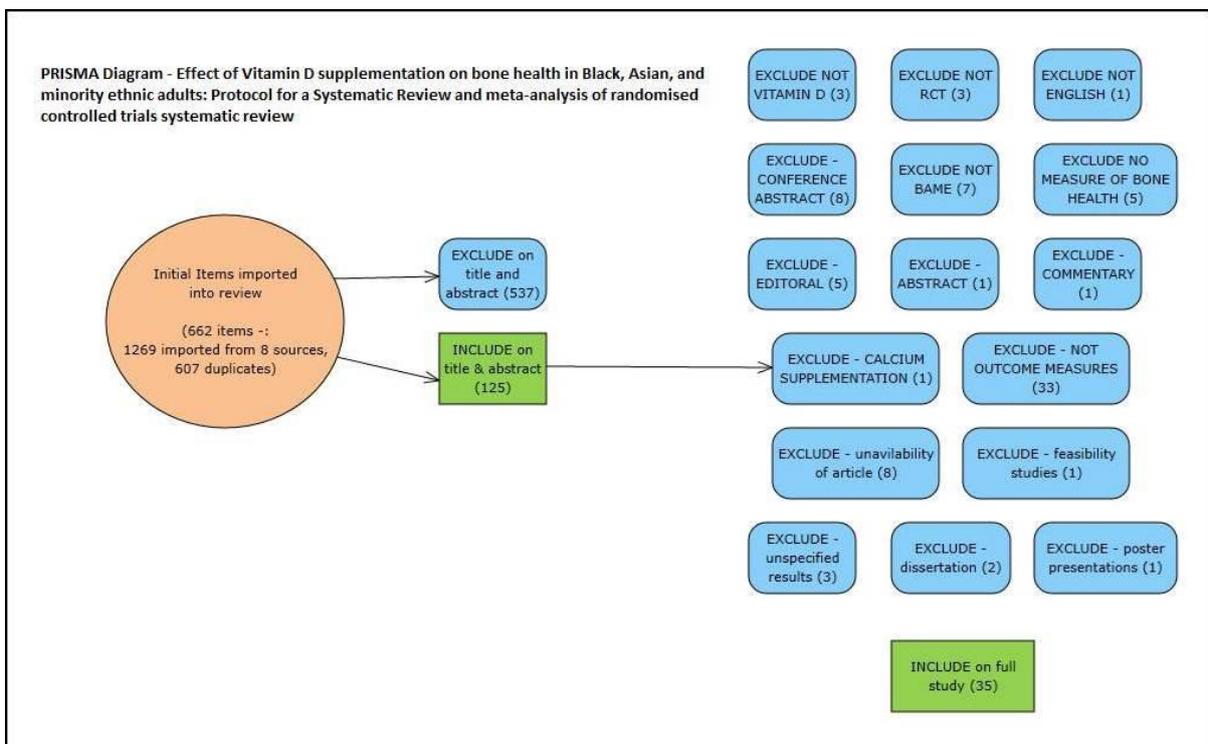
However, we have not yet ported this function to our current version of EPPI Reviewer (ER Web)

(You can open your reviews in either version of EPPI Reviewer without issue. Both use the same underlying databases.)

You can see what the PRISMA diagrams from EPPI Reviewer 4 look like from the example below.



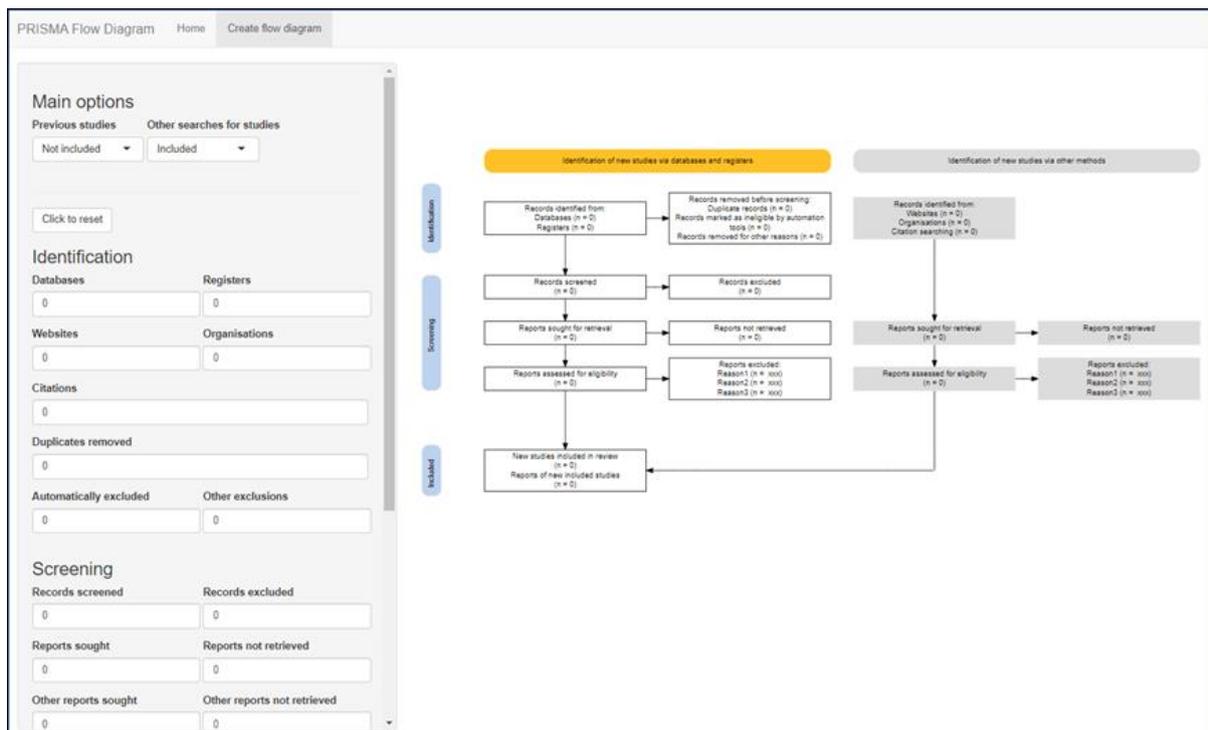
You can export the diagrams as graphics that you can reuse as you wish. (You can then edit the graphic files in Windows Paint or similar, copy and paste them into your write up, etc.)



Alternatively, you can easily create new diagrams using the numbers from your review, using PowerPoint, Excel or even Word or any graphics program.

There's a template on the PRISMA website (<http://prisma-statement.org/PRISMAStatement/FlowDiagram>); it just needs the numbers putting into it. You'll find more information on PRISMA diagrams at <http://prisma-statement.org/>.

There is also a tool available at https://estech.shinyapps.io/prisma_flowdiagram/, which you may find useful -:



You may also find the following documentation & checklists useful.

- PRISMA Checklist -: <http://prisma-statement.org/PRISMAStatement/Checklist>
- PRISMA Abstracts Checklist -: <http://prisma-statement.org/Extensions/Abstracts>
- ShinyApp version -: <https://prisma.shinyapps.io/checklist/>

Other links / info / notes -:

- <https://www.covidence.org/blog/what-is-prisma-whats-new-in-the-2020-guideline-2/>
- <https://www.bmj.com/content/372/bmj.n71>
- <https://www.bmj.com/content/372/bmj.n160>
- <https://www.bmj.com/content/372/bmj.n160/related#datasupp>

Very good thread by one of our frequent collaborators -:

<https://twitter.com/mjpages/status/1376480843921694725>