

Annotation tools

Cochrane and [Data Language](#) have developed a tool kit to annotate Cochrane reviews.

PICO ANNOTATOR

QA DASHBOARD

CONCEPT BROWSER

PICO SEARCH (BETA)

For immediate access click on the buttons above.

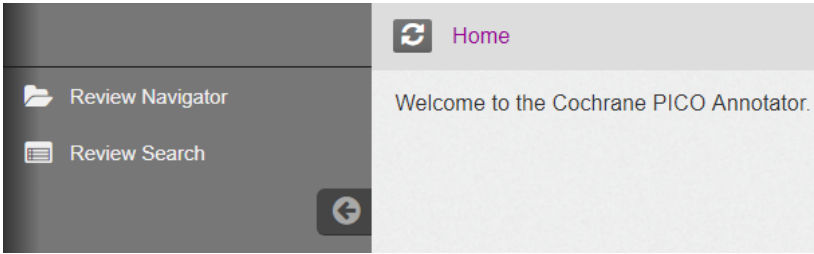
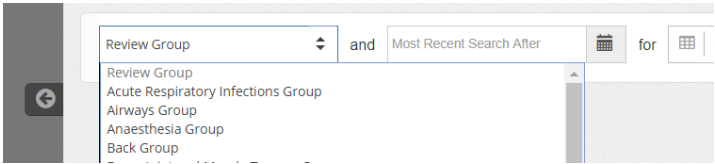
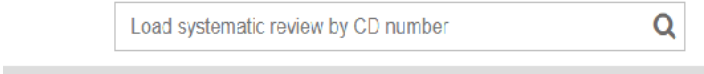
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How to access the tools

| Tool | URL | Login |
|--------------|---|---------------------|
| Annotator | https://data.cochrane.org/pico-annotator/?#ajax/home.html | your Cochrane login |
| QA Dashboard | https://data.cochrane.org/qa-dashboard/ | your Cochrane login |

Annotator

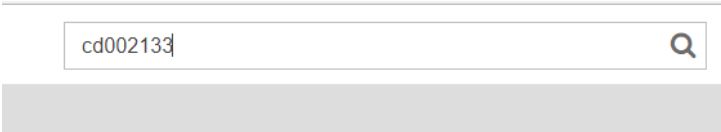
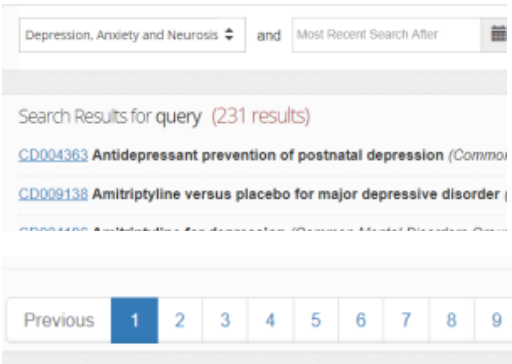
Interface

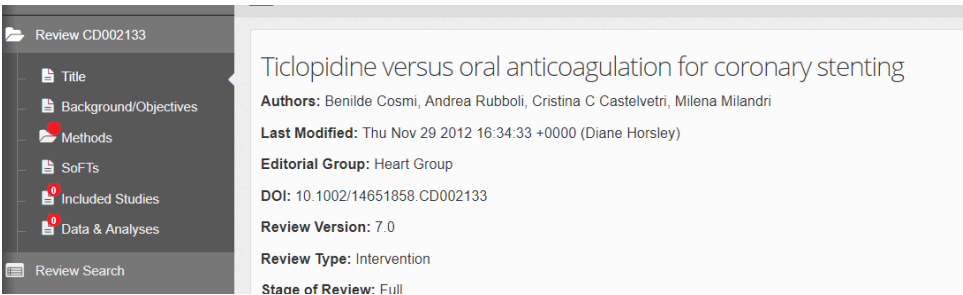
| Section | Description | Image |
|-------------|--|--|
| Left pane | Once a review is loaded this column can be expanded to show the various sections provided in the review. Review Navigator: requires a review to be loaded so as to show the sections, that can be navigated, in the review |  |
| | Review Search: this permits loading a list of all reviews by review group, from which you can select which one to annotate. |  |
| Centre pane | The review sections needed for annotation will be displayed here when the review is loaded. Search box: to load a review using this box it is necessary to use the CD number of the review |  |

| | | |
|--|---|---|
| | Login: click on the green arrow to enter your Cochrane account details |  |
|--|---|---|

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Loading a review

| Two options | Description | Image |
|----------------------|---|---|
| Search Box | <p>you will need to know the CD number of your review. This can be found</p> <ul style="list-style-type: none"> in the DOI number of the published review e.g. http://onlinelibrary.wiley.com/doi/10.1002/14651858.CD011660.pub2/full on the History and Advanced tabs of the review information in Archie |  |
| Review Search | <p>this is not ideal as reviews cannot be sorted or filtered. It is necessary to click on the page numbers at the bottom to move through the list</p> |  |







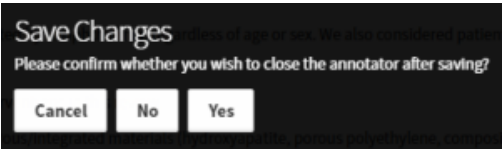
| | | |
|--|--|--|
| | <p>Once loaded you can navigate to the sections to be annotated by scrolling down through the text or using the navigation menu in the lefthand pane by clicking on the section of interest.</p> |  |
|--|--|--|


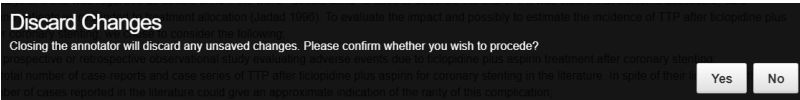



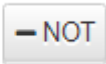



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Annotation widget

The annotation widget is placed beside the methods section, included studies and the analyses in each review.

Description of icons found on the widget


| Function | Description | Image |
|-----------------|--|--|
| Notes | Annotator can insert quick notes which can also be seen in the QAdashboard |  |
| Docking icon | Allows the user to detach the annotator from its associated content so you can scroll further down the document to further relevant informations without the annotator scrolling off the screen - it should toggle between broken and unbroken chain |  |
| Cascade effect | This element turns on and off the cascade effect. This effect pre populates the PICO's for studies based on the annotations from the review. |  |
| Discard changes | To cancel the edits/changes made over a PICO just click on this element and it closes the widget and the edit icon replaces it. |  |
| Edit | When the widget has been populated this icon is appears on the menu bar to permit edits. |  |
| Save | When in edit mode, you can save your work in the annotator and choose to cancel or to close the widget (No or Yes). Also see "How to save an annotation with a specific status" below. |   |

| | | |
|----------------|--|---|
| Close | This closes the widget without saving any new or edited work. |   |
| Navigation | This element makes it possible to move through PICO. |   |
| Operators | Options so use Boolean operators as required |   |
| Reset | Clears the annotation for the component or group (outcomes, different arms) that you are viewing. It does NOT clear the entire PICO. |  |
| Delete | This option is only available for the extra, groups/arms and outcomes that may be added to the annotation |  |
| New Group /Arm | I or C: Use this to add multiple arms O: use to add multiple outcomes |  |

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Saving an annotation



Using the Navigation arrows (), click on the right-hand arrow until it takes you to the end of the annotation. You can then select from the following options: Cancel, In Progress, Ready for QA, In QA, Discussion Queue, In Discussion, Blocked, Ready for Re-annotation, or Complete.

Status icons

Save Changes

Cancel

In Progress

Ready for QA

In QA




Discussion Queue







In Discussion

Blocked

Ready for Re-Annotation

Complete

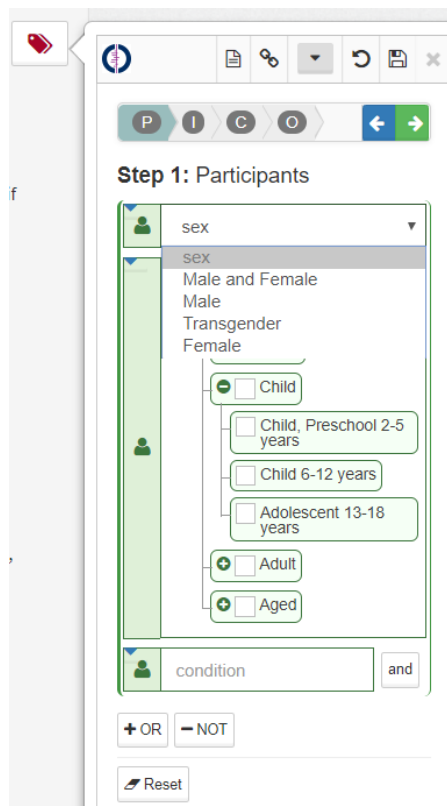
| Status (seen on dashboard) | Icon (seen at sections to be annotated in annotator) | Description |
|----------------------------|---|--|
| Not annotated |  | This highlights those reviews or studies that are waiting to be annotated |
| In Progress |  | Annotation of the PICO is in progress |
| Ready For QA |  | This status acts as a queue for PICO's where the annotation has been completed by the annotator, but now must be checked by an QA person |

| | | |
|-------------------------|---|--|
| In QA |  | The PICO is being checked by the QA person |
| Discussion Queue |  | This status acts as a queue for PICO's where an issue has been identified and the PICO must be discussed between the annotator and the QA person |
| In Discussion |  | The PICO is being actively discussed between the annotator and the QA person to resolve any identified issues |
| Blocked |  | The annotation process for this PICO cannot continue, as an issue that cannot be resolved by either the annotator or the QA person has been identified |
| Ready for Re-Annotation |  | This status acts as a queue for PICO's where any identified annotation issues have been resolved, and the annotator may now update the annotation |
| Complete |  | The annotation process for this PICO has been completed and the PICO has been approved by the QA person |
| Superceded | None | |

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Overview of data type to insert in the different fields

Participants/Condition



All fields can be populated **ONLY** using terms from drop down menus or ticking the box (as for age group)

Interventions/Comparators

Step 2: Interventions

no. of participants

classification and

materials/procedure

delivery method setting

rationale provider

dose (units) ↔

schedule (units) duration (units)

+OR -NOT

Reset New Group/Arm

ONLY numbers can be inserted here. Please do **NOT** insert alpha characters (text).

Select terms or categories from drop-down menus

Select units from drop-down menus. Only numbers can be inserted for unit quantities

Outcomes

Step 4: Outcomes

endpoint (units) 1ry and

classification and

outcome domain

outcome measure

outcome details

+OR -NOT

Reset New Group

Not to be used at present (19/02/2019)

Select terms or categories from drop-down menus

Free text field

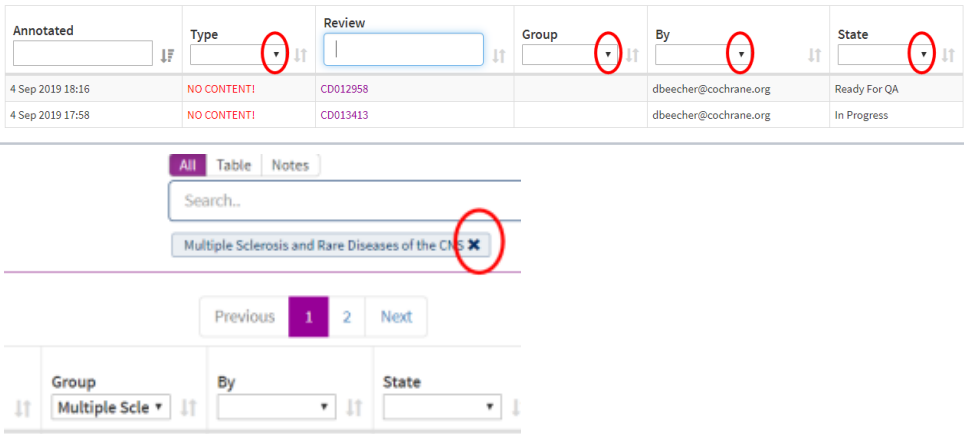

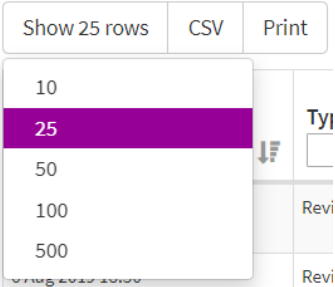
QA Dashboard *updated*

Once an annotation has been saved it can be viewed in the QA dashboard. On the table pane you can view which reviews or studies have been annotated, by whom, the CRG and the status (state) of the annotation.

Show 25 rows CSV Print

 Previous **1** 2 3 4 5 ... 547 Next

| Annotated | Type | Review | Group | By | State |
|------------------|---------------|--------------|---------|-----------------------|--------------|
| 4 Sep 2019 18:16 | NO CONTENT! | CD012958 | | dbeecher@cochrane.org | Ready For QA |
| 4 Sep 2019 17:58 | NO CONTENT! | CD013413 | | dbeecher@cochrane.org | In Progress |
| 4 Sep 2019 17:11 | NO CONTENT! | CD013420 | | estovold@sgul.ac.uk | Complete |
| 4 Sep 2019 16:49 | ReviewVersion | CD012045 / 2 | Urology | cfriesen@cochrane.org | Complete |
| 4 Sep 2019 16:39 | NO CONTENT! | CD013396 | | estovold@sgul.ac.uk | Complete |
| 4 Sep 2019 16:38 | ReviewVersion | CD011673 / 2 | Urology | cfriesen@cochrane.org | Complete |

| Features | Description | Image |
|----------------|---|---|
| Filtering data | <ul style="list-style-type: none"> Type, Group, By and State can be filtered by clicking on the arrow in the field at the top of each column To clear any filters click on the x beside the data selected |  |
| Sorting data | <ul style="list-style-type: none"> Clicking on the arrows beside the column headings will reorder the columns, either alphabetically or numerically |  |
| Print & export | Prints the data table as seen on the screen CSV allows a data sheet to be imported into Excel |  |

| | |
|-----------------|--|
| Viewing options | <p>The default view is 25 rows</p> <p>Click on the button if you wish to show more annotations on a page</p> |
|-----------------|--|

PICO annotation

| | |
|--|---|
| <ul style="list-style-type: none"> Text in Pink is taken from the reviews Text in Green is the annotation Terms in blue are those chosen from the vocabularies - hover over them to see which vocabulary they originate from. | <p>Population</p> <p>Pregnant women due for third trimester induction of labour, carrying a viable fetus.</p> <p>Female, Middle Aged 45-64 years or Young Adult 19-24 years or Adult 19-44 years or Adolescent 13-18 years: Pregnancy and Labor Induction and Third Trimester Pregnancy and O/e - Viable Fetus;</p> <p> Pregnancy Labor Induction Third Trimester Pregnancy O/e - Viable Fetus </p> <p> Ages 13 to 64 years Female </p> <p>Interventions</p> <p>Homeopathy compared with placebo/no treatment or any other method on a predefined list of methods of labour induction.</p> <p>[Complementary] Homeopathic Therapy: ();</p> <p>Homeopathic Therapy</p> |
|--|---|

Notes

| | |
|---|---|
| <ul style="list-style-type: none"> Notes can be added to an annotation in the annotator or on the dashboard They are ordered by author, date and time It is NOT possible to delete notes | <p>ReviewVersion Annotation http://data.cochrane.org/annotations/126ngsggtrm0 Save annotation</p> <p>State <input type="text" value="Complete"/></p> <p>Notes</p> <p>dbeecher@cochrane.org 12 Aug 2016, 15:57 I: unsure as to what term to use for suturing materials</p> <p>dbeecher@cochrane.org 12 Sep 2016, 17:02 L: becker note 12 Sept 2016: We will soon have specific suture materials available from SNOMED that can be used for I and C.</p> <p>beckeria 20 Sep 2016, 23:58 I and C: Absorbable Suture is now available & can replace Suture of Vagina</p> <p>agates1@ualberta.ca 01 Mar 2017, 17:52 I and C: It appears that these suturing materials are now available in the vocabulary, so they can specifically added and the more generic, 'absorbable suture' can be removed.</p> <p>lynnh 20 Mar 2017, 20:29 P: perineal trauma (not perinatal) - change to 'Second degree perineal tear during delivery, delivered SNOMED: 199915005 OR Episiotomy (to match CD000947). Can take out multiparous and primiparous - women are either one or the other. I and C - at review level is ok to stay as Absorbable vs absorbable</p> <p>New Note</p> |
|---|---|

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How to change an annotation state (status)

| | Step | Image |
|---|--------------------------------|-------|
| 1 | Select the required annotation | |

2

Click on State in the right-hand side panel (NOT in the table) - this opens a drop-down list of states.

3

Click the green Save Annotation button

Show 25 rows CSV Print

Previous 1 2 3 4 5 ... 547 Next

| Annotated | Type | Review | Group | By | State |
|------------------|---------------|--------------|--|-------------------------|----------|
| 6 Sep 2019 11:38 | NO CONTENT | CD012764 | | jenna.veneth@regiorh.dk | Complete |
| 6 Sep 2019 11:20 | NO CONTENT | CD011749 | | jenna.veneth@regiorh.dk | Complete |
| 6 Sep 2019 11:16 | ReviewVersion | CD012212 / 3 | Anaesthesia, Critical and Emergency Care | jenna.veneth@regiorh.dk | Complete |
| 6 Sep 2019 11:14 | ReviewVersion | CD004477 / 9 | Anaesthesia, Critical and Emergency Care | jenna.veneth@regiorh.dk | Complete |

ReviewVersion Annotation

http://data.cochrane.org/annotations/CE47633mBgFWv

Save annotation

State

Complete

Notes

In Progress

Ready for QA

In QA

Discussion Queue

In Discussion

Blocked

Ready For Re-Annotation

Complete

New Note

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Search

Before entering your term in the search box you may need to select a tab first as each one will retrieve different results.

| Tab | Description | Image |
|-------|---|-------|
| All | when you insert a term it will search all sections of the dashboard (notes, annotation, names of groups and annotators) | |
| Table | use this when you want to search for a status, a Cochrane group, or name of annotator | |
| Notes | this is for searching within the notes that have been added to each of the annotations | |

Vocabulary terms

You can also search for a vocab term to see the annotations that have been tagged with that term. A drop-down list will show relevant options retrieved from the Cochrane vocabulary. Click on the preferred term to view the annotations using that term:

All Table Notes

treatment failure

Treatment Failure MedDRA 10066901 Condition

Failure SNOMED 76797004 Condition

Dental Treatment MedDRA 10061813 Condition

Treatment Noncompliance MedDRA 10049414 Condition

Hypothermia Treatment SNOMED 386329003 Procedure

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