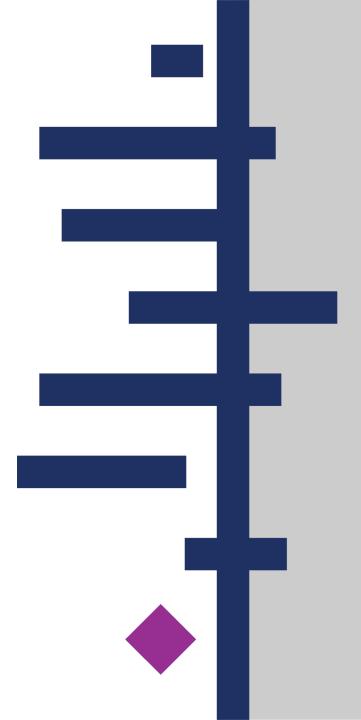


PICO annotation

Webinars (February/March 2107)

Deirdre Beecher – Senior Metadata Specialist Carol Friesen – Metadata Specialist

Trusted evidence. Informed decisions. Better health.





Overview

- Background
 - who is involved
 - work to date (2016 to 2017)
 - specifying core outcomes
 - lessons learned so far & proposal
- Tools
- Demo/questions (for webinars)
- Events 2017
- Project contacts



Who is involved (first phase of project)

Groups

- Pregnancy and Childbirth
- Neonatal
- Childhealth field

Staff

- 2 full time & 3 part time annotators
- 9 QA* (mainly clinicians or those with domain expertise)
- 2 CIS (Neonatal and Pregnancy & Childbirth)
- 4 5 annotators/QA for the Childhealth Field (including information specialists)

* Quality assurance



PICO annotation 2016 to March 2017

- Funding from Gates to focus on reviews within childhealth
- Reviews from:
 - Pregnancy & childbirth
 - > Neonatal
 - Childhealth field (range of reviews from Cochrane content)
- Annotations
 - Review level (methods section)
 - Included studies
- Guidance developed (stored in Confluence)
- Tools developed

Cochrane Specifying a set of "Core" annotation components*

Original aims

- Annotate full PICOs from every review at 3 levels:
- Review (N = 6812)
- Every included study (N = 88502)
- Every analysis (N = 133471 69082 of the outcomes are distinct)

* Information provided by Lorne Becker February/March 2017

() Cochrane Lessons learned so far

- It is a very big job
- Not all annotations are equally important for the use cases we are developing
- **Review methods** often include long lists of Outcomes many of which are not addressed in their included studies or analyses
- Analysis section of a Review
 - doesn't actually list a full P
 - assumes the P from the Review methods



Proposal

- try to optimize the time of our annotators by focusing on annotation of a "core" subset of PICO components.
- from the Review Methods P, I & C human annotation
- from the Included Studies full PICO most done by robot
- human annotation of selected studies (based on priorities)
 - Review group decides what is high priority and wants to annotate it
 - Gates or other funder thinks it's high priority



Annotation tools

- **1. Annotator** used to complete the annotation task
- 2. **QA dashboard** logs all annotations and notes
- 3. Vocabulary Browser populated by our annotations
- 4. PICO finder tool used to search Cochrane content by end user
- 5. Editor permits editing of vocabulary (limited access)

Communication & documentation

- 1. Slack messaging app for teams
- 2. Confluence team collaboration software (wiki structure)
 - Annotation Knowledge Base space https://documentation.cochrane.org/display/AKB/Annotation+Knowledge+Base

() Cochrane Ontologies used to develop our Cochrane browser

SNOMED

MEDdra

Rxnorm

WHO - atc_ddd_index

Abbreviations finder (e.g. http://www.medilexicon.com/abbreviations)



PICO events

February/March 2017

- Webinars
- UK/IE symposium Oxford PICOthon

September 2017

• Global Evidence Summit – workshop (?) (tbc)



Who to contact

If you have any questions or just want to know more please do not hestitate to contact us.

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