Cochrane Health Research Metadata Curation Platform

Project title
Cochrane Health Research Metadata Curation Platform

Field of Research code(s)
- 08 INFORMATION AND COMPUTING SCIENCES

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Collaborator details

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Project description

Australia is doubling its public investment in health and medical research, building our globally significant position in this field. Australian governments have emphasised the importance of ensuring these investments translate rapidly into health benefits. To do so requires more efficient mechanisms to find and use health research outputs and other data, including in the systematic reviews, guidelines, and decision support tools that shape health care practice.

Cochrane is the world’s premier organisation creating high quality health evidence, with a global research network of over 11,000 members and 70,000 supporters. Cochrane is also a world leader in FAIR health data, having developed an ontology, curated terms from well-established controlled vocabularies, and an annotation technology stack. The Metadata Curation Platform is used extensively by the global Cochrane network and Vivli, the major global platform for clinical trial data sharing.

This project will
- Establish annotation services for use by Australian health research, evidence, and guideline communities
- Build a core community of practice
- Test barriers and facilitators to the adoption of annotation workflows

**Existing technology**

**Adopt**

The Cochrane Metadata Curation Platform consists of:
- PICO annotator: A tool that permits annotation of content with controlled vocabulary items mapping to the globally adopted PICO framework
- QA Dashboard: A tool to manage annotation of a corpus of content
- Cochrane Vocabularies: A custom vocabulary for PICO classification of health evidence. To cover the widest possible range of use cases and to permit search from a variety of data providers that have adopted vocabularies, Cochrane Vocabularies link together other vocabularies including SNOMED, MedDRA, RxNorm and WHO ATC.

**Adapt**

In this project we will
- Adapt the Cochrane Metadata Curation Platform for third party use by Australian researchers
- Establish an instance of the Platform within Australian secure research environments (e.g. SeRP, ERICA) to facilitate the adoption and use of Platform services
- Create a core community of practice by promoting and supporting adoption by clinical research, evidence synthesis, guideline development and knowledge translation partners within and beyond the Australian Living Evidence Consortium (coordinated by Cochrane Australia)
- Evaluate barriers and facilitators to adoption

**Build**

No new platform development planned

**Anticipated requirements**

**Annual funding**

$100,000 - $199,000

**Proposed length**

1 year

**Other information**

**Other information you wish to provide**

The proposed platform is the leading international initiative in health evidence and clinical trial meta-data and collaborates with the HL7 FHIR standards framework via the EBMonFHIR project.

Related EOI:
- Secure Environments for Research in Australia

**Terms**

**I agree to the terms**

Yes