

Developing an ontology centred on the PICO model to support the linkage of Cochrane evidence to promote its usability and discoverability

Cochrane has vastly rich content and data store locked away in data silos and static presentation formats.

The Cochrane Linked Data Project focused on the adoption of linked data technologies to support the creation, dissemination and retrieval of Cochrane content. Opening up the content and data. An ontology is one such technology.

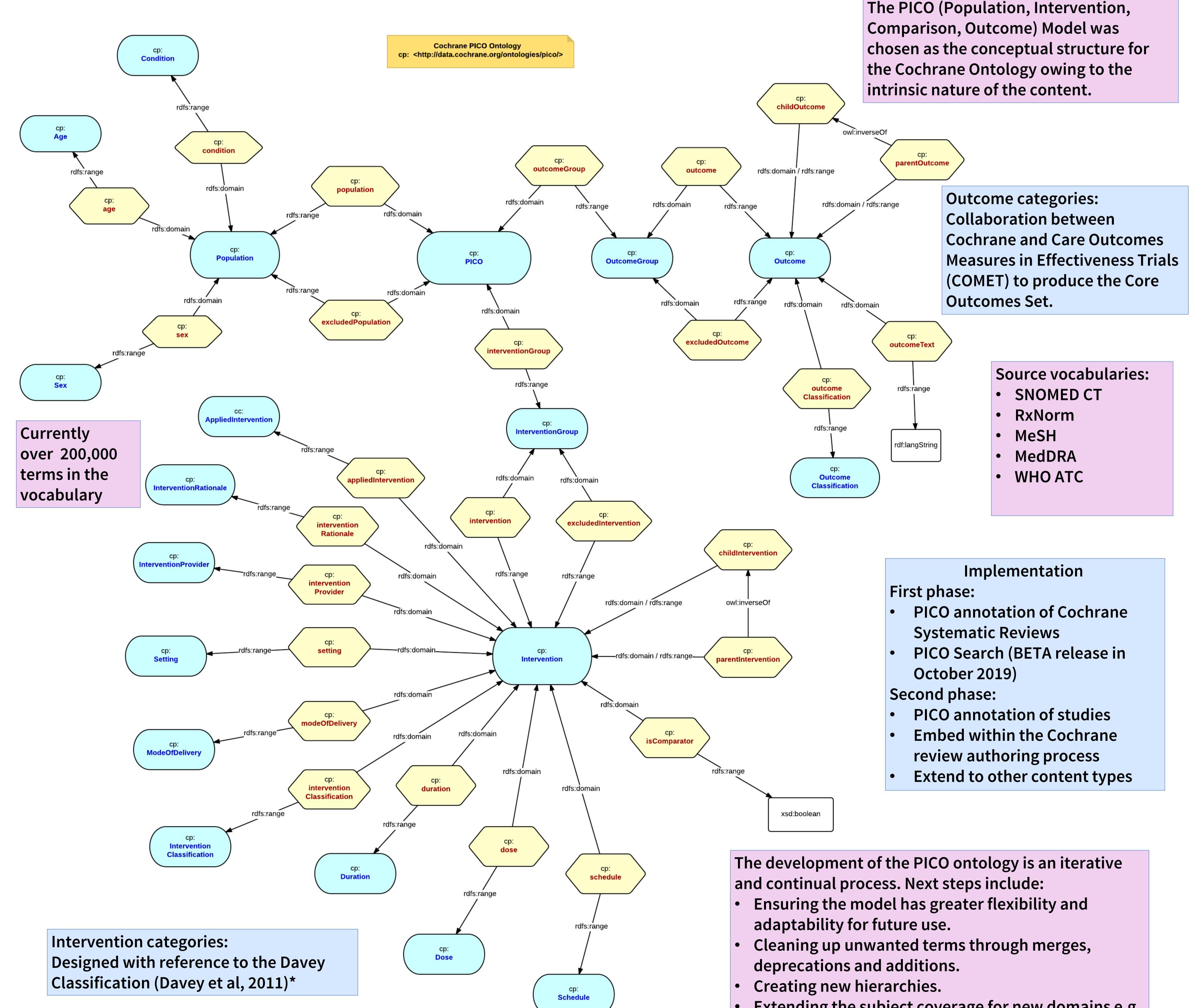
No existing ontology matched our requirements therefore the decision was made to construct a custom ontology, specifically designed for the Cochrane domain, to support the open production, publication, dissemination and usability of **Cochrane data and content.**

Methodology:

- Existing vocabularies used as the basis for the initial import of terms to support standardisation and interoperability.
- Initial terms were merged and extended by the addition of **Cochrane specific terms.**

An ontology defines a common vocabulary within a domain, a formal description of concepts, their properties and the relations among them. This provides a shared common understanding of a domain.

- Preference of terms weighted towards the language of Cochrane.
- Hierarchies created between the terms within the PICO framework.



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- Extending the subject coverage for new domains e.g. **Public Health**

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