

Library support

for your CIHR grants

Introduction

Librarians can help with many aspects of grant applications

- Background info
- Searches (SRs & other lit reviews)
- Managing citations
- Measuring research impact
- Data management
- Librarian involvement strengthens applications and is often considered best practice
- Remember to budget for library services
- Level of library support provided depends on librarian role (co-applicant or collaborator or consultant?)

Background Information

Librarians can help:

- Find latest research in an area/make sure background information is up to date
- Ensure all key research is found and referenced
- Find latest statistics
- Make sure you are citing sources properly

A Systematic Review...

...seek[s] to collate all evidence that fits pre-specified eligibility criteria in order to address a specific research question.

Higgins JPT, Green S (editors). Cochrane Handbook for Systematic Reviews of Interventions Version 5.1.0 [updated March 2011]. The Cochrane Collaboration, 2011. Available from www.cochrane-handbook.org.

Institute of Medicine Standard 3.1

3.1.1 Work with a librarian or other information specialist trained in performing systematic reviews to plan the search strategy

3.1.2 Design the search strategy to address each key research question

3.1.3 Use an independent librarian or other information specialist to peer review the search strategy

3.1.4 Search bibliographic databases

3.1.5 Search citation indexes

IOM Standard 3.1 continued

3.1.6 Search literature cited by eligible studies - Researcher

3.1.7 Update the search at intervals appropriate to the pace of generation of new information for the research question being addressed

3.1.8 Search subject-specific databases if other databases are unlikely to provide all relevant evidence

3.1.9 Search regional bibliographic databases if other databases are unlikely to provide all relevant evidence

The Librarian can also...

- export search results to citation management programs
- document search strategies and numbers for reporting purposes
- write the search methods portion of the review
- edit the manuscript for clarity

Citation management

- Citation manager programs allow you to:
 - store references electronically
 - quickly import references from major databases
 - de-duplicate references
 - insert references into manuscripts and format citations and reference lists in wide range of styles
- The Library supports the web-based program [RefWorks](#).

Citation management, cont.

Is RefWorks useful for systematic/scoping reviews?

- Is free to all current U of Alberta affiliates
- Has the advantage that all library staff are familiar with the basics, and staff with advanced expertise are available to provide support and trouble-shooting.
- BUT, can be slow if you're working with a very high number of records.

Other Citation managers (fee-based)

- [EndNote](#) (Windows & Mac; a [web module](#) is available)
- [Reference Manager](#) (Windows only)
- Both of these are desktop programs, available for download via the [IST software sales site](#). (See under *Utilities*.)
- The Library does not officially support these programs, but the vendor websites provide excellent instructional materials and technical support is available.

Open Access Citation Managers

- [Zotero](#) (free for up to 300 MB; fee for expanded storage); [Mendeley](#) (free up to 2GB; fee for expanded storage)
- While these apps will work fine for basic citation management, it would be difficult to use these for systematic/scoping reviews.
 - Dealing with large amounts of data could be slow
 - Most databases don't provide means to direct export to these programs

Citation management support

- Librarians can:
 - advise on the mechanics of exporting results to reference managers
 - advise on how to structure your file/folders efficiently
 - advise on how to keep track of information required for reporting results in systematic/scoping reviews, e.g. via PRISMA

Accessing Full-text

- Library staff can assist in locating full-text (electronic and print, as applicable)
 - If you aren't finding something, our staff are available to check whether it is available locally.
 - Contact the library in person or using one of our [AskUs](#) services.
- Stop by in person (and/or send your RA) to obtain a demo of efficient methods for checking availability of material.

Interlibrary Loan (ILL)

- If we do not have local access to documents you need, you can request these through our [ILL service](#).
- If you will be submitting a large number of ILL requests, it would be helpful to give the ILL Office a heads-up. You can contact them via email at: ill@ualberta.ca.

Research Impact

Guidance on retrieving various citation, productivity, altmetric based metrics. And what these metrics mean.

Advice on benchmarking

In-depth analysis is being piloted this year. Stay tuned.

Don't leave this to the last minute

Research Data Management

- Data Management Plans (DMPs)
 - UAL DMPBuilder & training
<https://dmp.library.ualberta.ca/>
- Data Sharing and Access Planning
 - UAL Dataverse & training
<https://dataverse.library.ualberta.ca/dvn/>
 - ERA + Archivematica & Training
<http://library.ualberta.ca/researchdata/preserve/>
- Budget
 - consultation on cost of RDM activities

Research Data Management

- UAL RDM page, <http://library.ualberta.ca/researchdata>
- UAlberta Research Records Stewardship Guidance Procedure, <https://policiesonline.ualberta.ca/PoliciesProcedures/Pages/DispPol.aspx?PID=71>
- CIHR Open Access Policy (2013/2014) 5.1.2 Publication Related Research Data, <http://www.cihr-irsc.gc.ca/e/46068.html#5.1.2>
- Tri-Council Open Access Policy Draft (2014), http://www.nserc-crsng.gc.ca/NSERC-CRSNG/policies-politiques/Tri-OA-Policy-Politique-LA-Trois_eng.asp
- Tri-Council Digital Scholarship Consultation (2013), http://www.sshrc-crsh.gc.ca/news_room-salle_de_presse/latest_news-nouvelles_recentes/big_data_consultation-donnees_massives_consultation-eng.aspx

Conclusion:

- Tools, Guidance & Best Practices
- Consultation (by appointment)
- Your UAL librarian colleagues are eligible collaborators or co-PIs on CIHR grants.
- We don't currently charge for any of our services, but this may happen in the future.