

Knowledge Synthesis Research in the Rady Faculty of Health Sciences

**Health Professions Education
Scholarship Day | August 29, 2024**

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Libraries |



**University
of Manitoba**

Traditional Territories Acknowledgement

The University of Manitoba campuses are located on original lands of Anishinaabeg, Ininiwak, Anisininewuk, Dakota Oyate and Dene, and on the National Homeland of the Red River Métis.

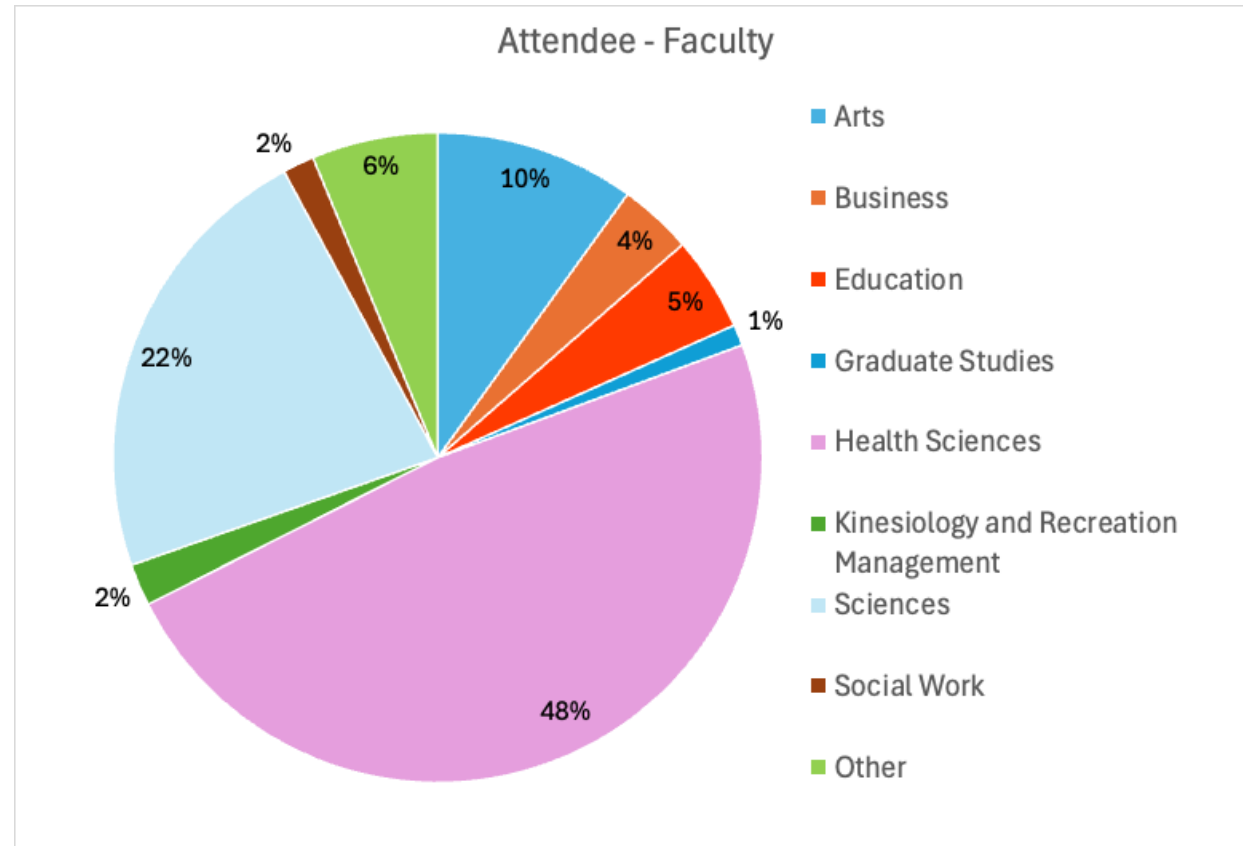
We respect the Treaties that were made on these territories, we acknowledge the harms and mistakes of the past and the present, and we dedicate ourselves to move forward in partnership with Indigenous communities in a spirit of Reconciliation and collaboration.

What is Knowledge Synthesis?

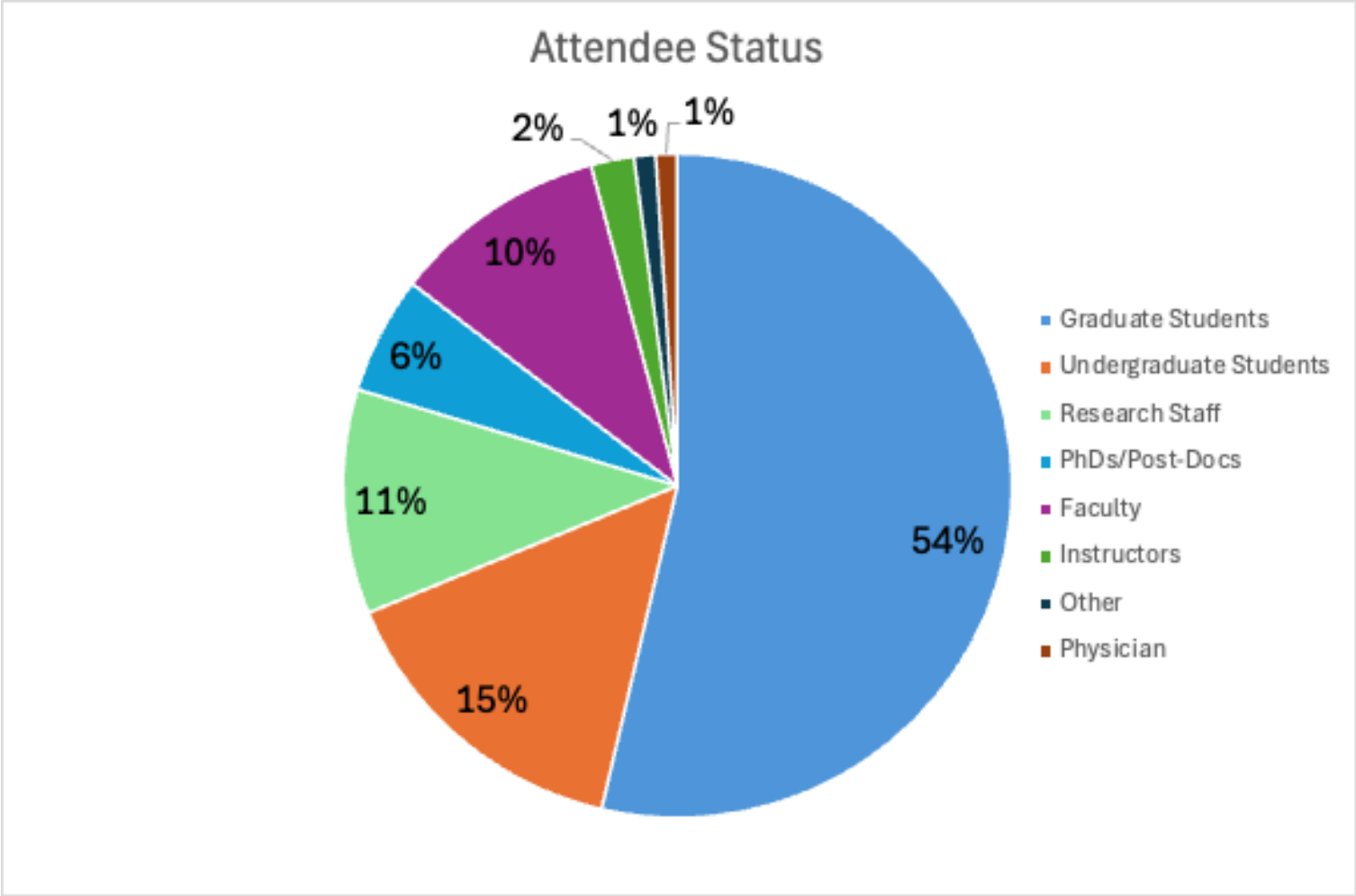
- "The contextualization and integration of research findings of individual research studies within the larger body of knowledge on the topic." ([CIHR](#))
- "A synthesis must be reproducible and transparent in its methods, using quantitative and/or qualitative methods." ([CIHR](#))
- Includes: **Systematic reviews**, **scoping reviews**, **meta-analyses**, **meta-syntheses**, **rapid reviews**, and **umbrella reviews**

Systematic Review Workshop Series 2024

- Series began in 2018 – Spring workshops
- 192 attended 1-5 online sessions (630)



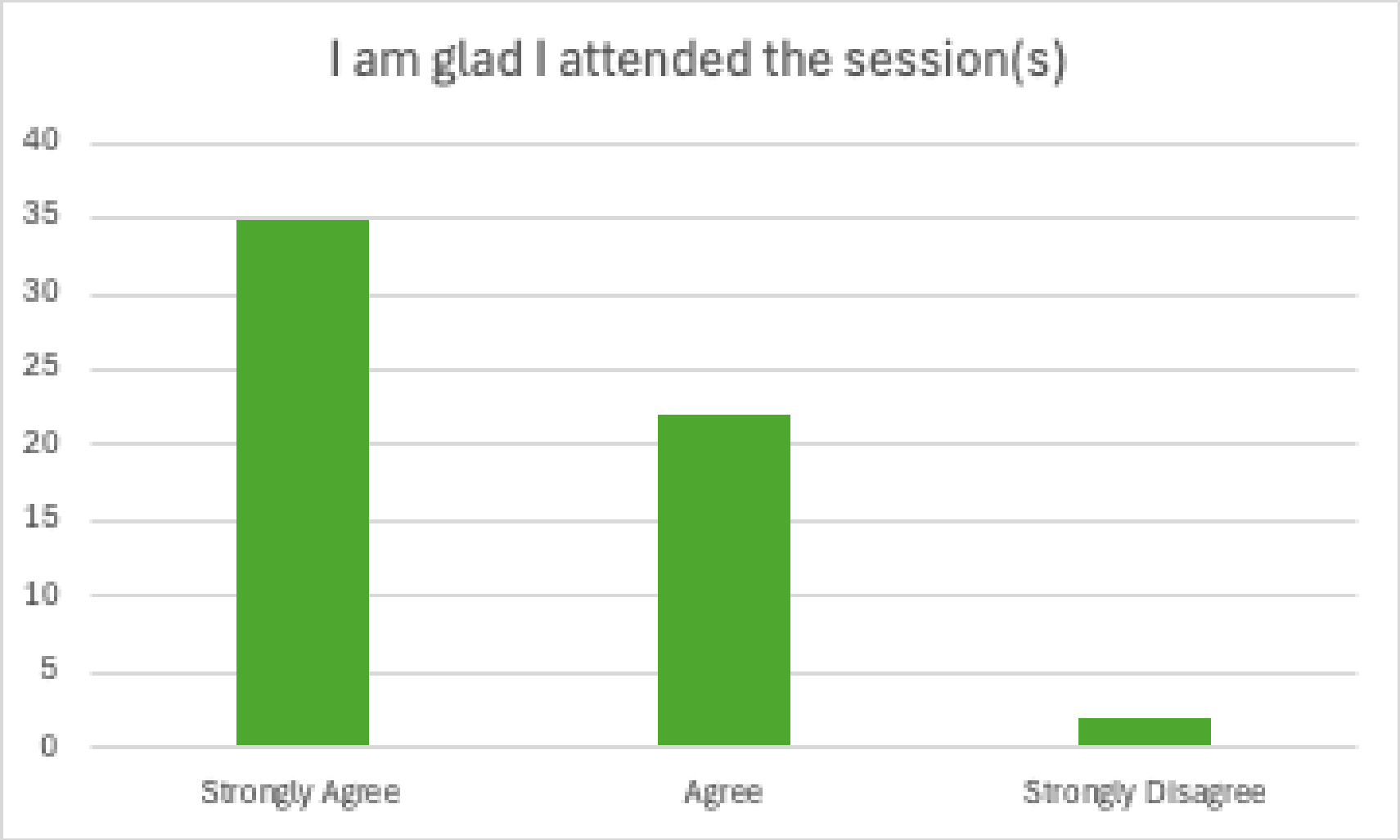
Systematic Review Workshop Series 2024



Systematic Review Workshop Series 2024



Systematic Review Workshop Series 2024



Systematic Review Workshop Series 2024

1. Systematic Reviews: the Essentials
2. Building Your Systematic Review Step by Step
3. Advanced Searching Techniques for Systematic Reviews
4. Efficient Database Searches for Systematic Reviews
5. From ChatGPT to Covidence

NJM Health Sciences Library support for Knowledge Synthesis



Consultation and Collaboration

- [Talk with a health sciences librarian about your KS project](#)



Instruction

- [GradSteps and Researcher Workshops](#)
- [Systematic Review Workshop Series](#)



Online Resources

- [Which review is right for you?](#)
- [Workshop videos](#)
- [Website](#)

KS Research Project

Librarian Involvement in KS at the University of Manitoba

Libraries |



**University
of Manitoba**

Questions

1. What are the trends in types and disciplines of KS publications between 2017-2022
2. How are librarians credited in KS publications between 2017-2022
3. Do librarian-involved publications get published in journals with higher journal impact factors?

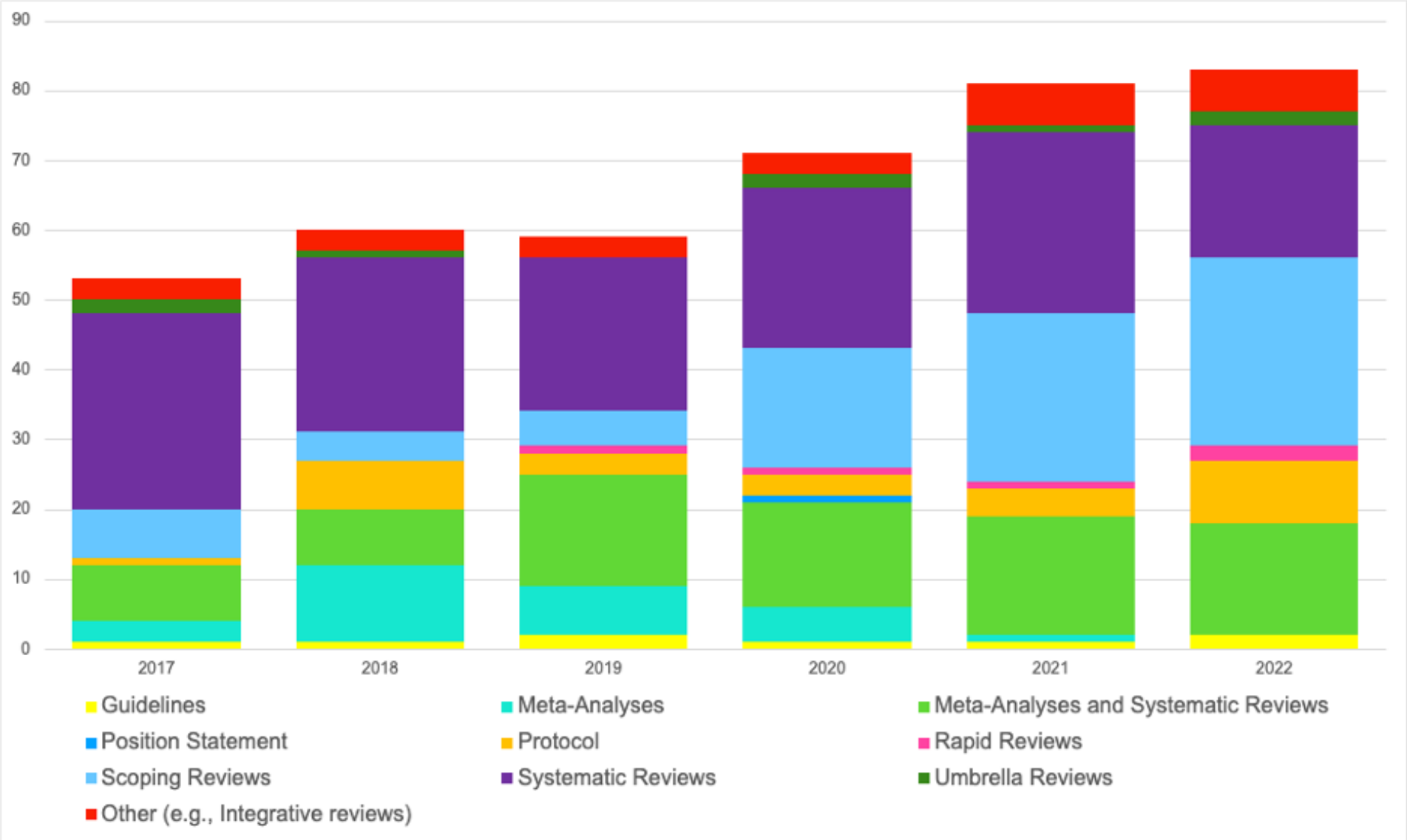
Methods

Searched Scopus, PubMed, and Web of Science (Social Sciences Citation Index and Arts & Humanities Citation Index)

Content analysis:

1. Author affiliation (UM Primary Author | UM Other Author)
2. Study Design
3. Subject Area
4. Librarian Involvement (authorship, acknowledgement, etc)
5. Journal impact factor

Results – Types of Knowledge Synthesis

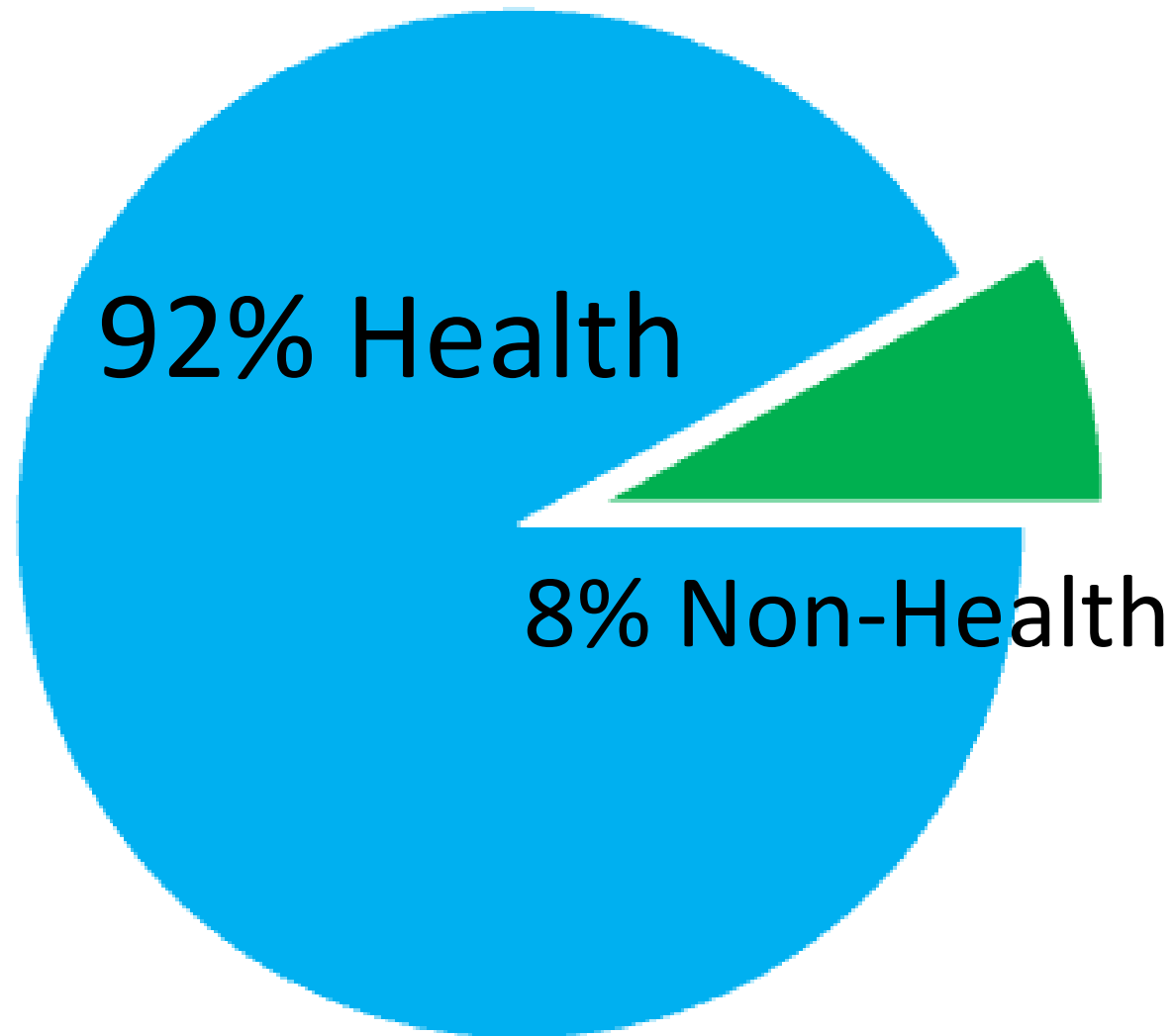


Results – Librarian Involvement

- 57% of KS research involved a librarian
- 72% of those were UM librarians
 - 77% were co-authors
 - 22% named in search methods or acknowledgments
 - 1% anonymous

- 280% increase in co-authorship since 2017

Results – Knowledge Synthesis Being Published (by disciplines)



8% Non-Health

Psychology (14)
Kinesiology (5)
Nutrition (3)
Environmental Sciences (3)
Business (3)
Social Work (2)
Education (2)
General Sciences (1)

Results – Journal Impact Factors (JIF)

- When a librarian was **NOT** involved in the KS
 - Mean JIF was 4.905
 - Median JIF was 3.517

- When a librarian was involved in the KS
 - Mean JIF was 6.795
 - Median JIF was 3.955

Take Home Messages



Collaboration

A tiered model with clear expectations for librarian authorships leads to increased collaboration



Impact

KS publications continue to grow at U of M



Health-focused

While non-health does publish KS, health continues to dominate



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