



Report on Librarian Research, 2019-2020

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BE WHAT THE WORLD NEEDS

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Purpose

Librarians at the University of Saskatchewan undertake diverse, impactful research, in the field of Library and Information Studies, but also in collaboration with diverse disciplines across campus, Canada, and internationally. The purpose of this report is twofold: to showcase the research accomplishments of librarians over the past academic year; and to offer insight into the unique needs, interests, and characteristics of librarian research.

Dissemination

The most consistent dissemination activities have been peer-reviewed articles and conference presentations, regardless of fluctuations in other research-related activities. While grant applications have decreased in recent years (see Grants section for further analysis), librarians remain engaged in the research community, an indication that for librarian research, not all research needs to be directly tied to grant funding to yield meaningful results. The consistent number of invited

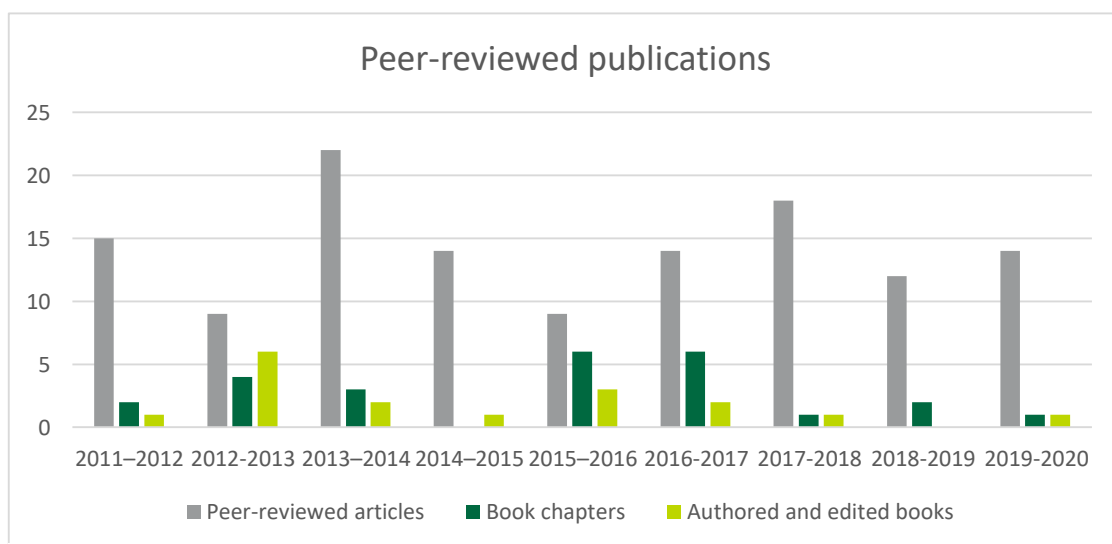


Figure 1 Peer-reviewed publications

presentations over time also indicates that University of Saskatchewan librarians maintain national and international expertise in their respective research areas.

It is noteworthy that librarians' research activity remains consistent on an individual basis over time – in other words, each librarian generally remains consistently engaged in research year by year. This is evident, for example, in the relationship between the number of articles that librarians publish per person each year.

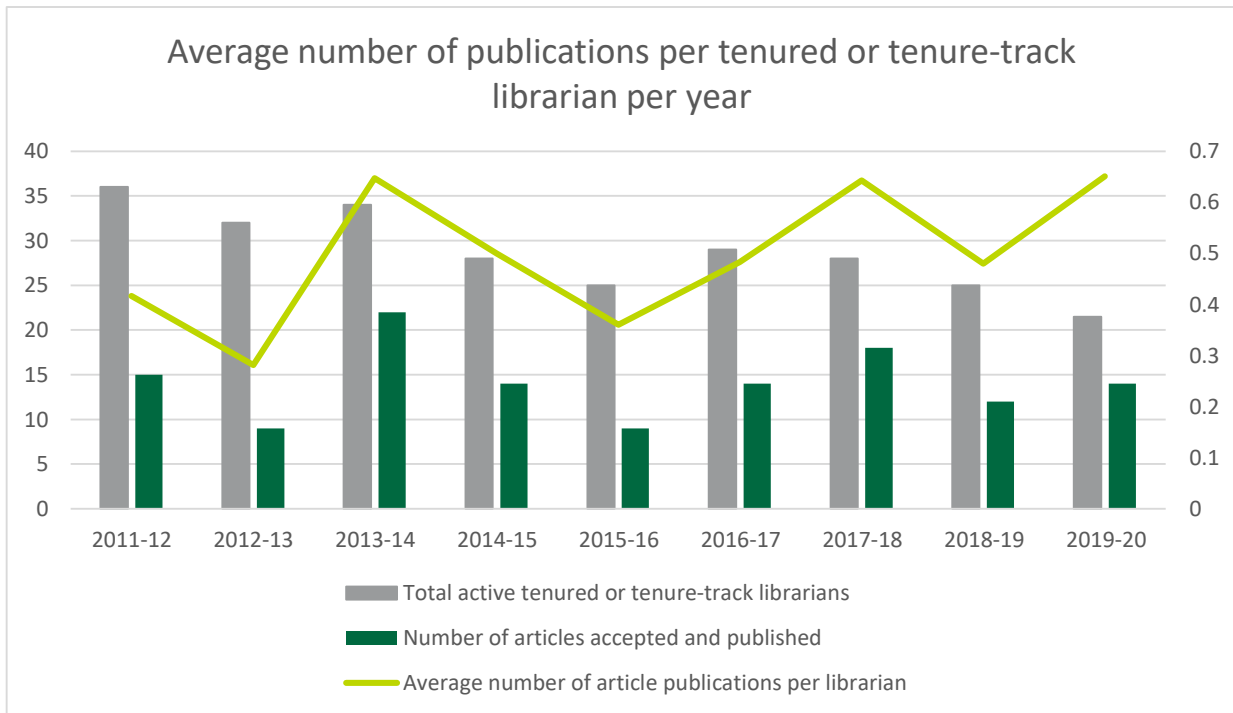


Figure 2 Peer-reviewed articles per librarian since 2011.

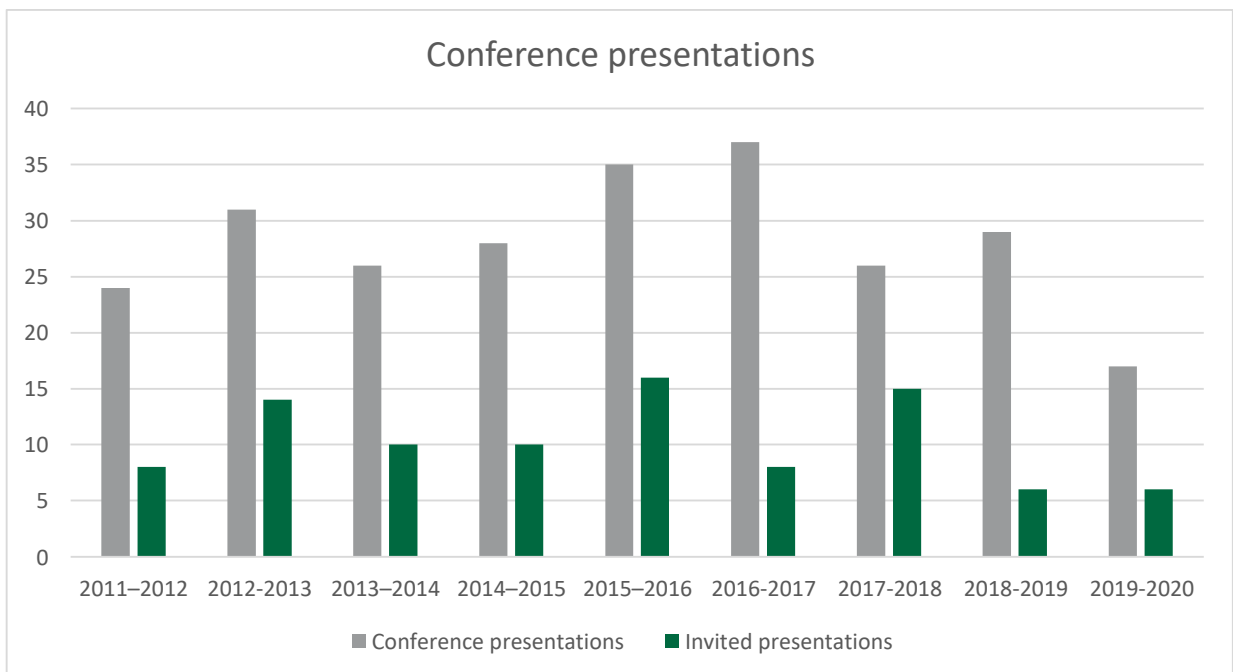


Figure 3 Conference presentations. For the purposes of this report, these numbers include conference papers and abstracts that were accepted but not presented due to COVID-19.

Many of the research-related dissemination activities that take place under the category of Additional Scholarly Work¹ have a broad public reach, both within and beyond the field of librarianship. The marked decrease in these activities in recent years has been due to a change in the definition of a report for the purposes of CV records. Outward-facing activities like blog posts and exhibits remain consistent. These are activities that allow those outside of library

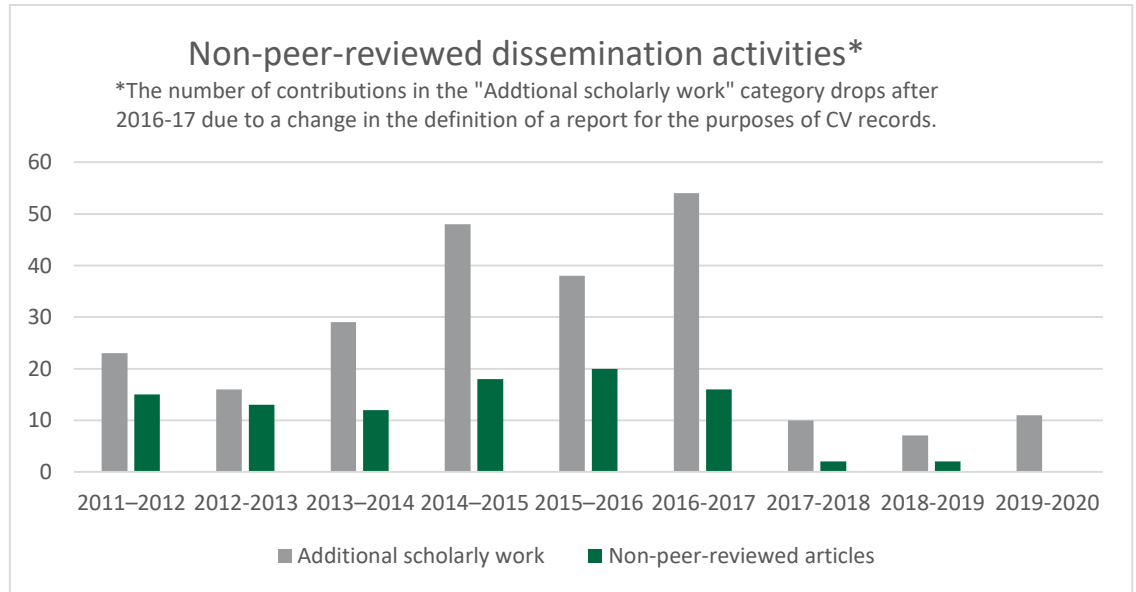


Figure 4 Non-peer-reviewed dissemination activities

research, and outside of the University of Saskatchewan, to get a glimpse into the ways that librarians think about libraries and about research in general.

¹ The category of Additional Scholarly work includes artistic performances, curated exhibits, blog posts, and reports.

Additional scholarly work takes diverse forms, and librarians have been deeply engaged in these areas alongside traditional publication and conference venues.

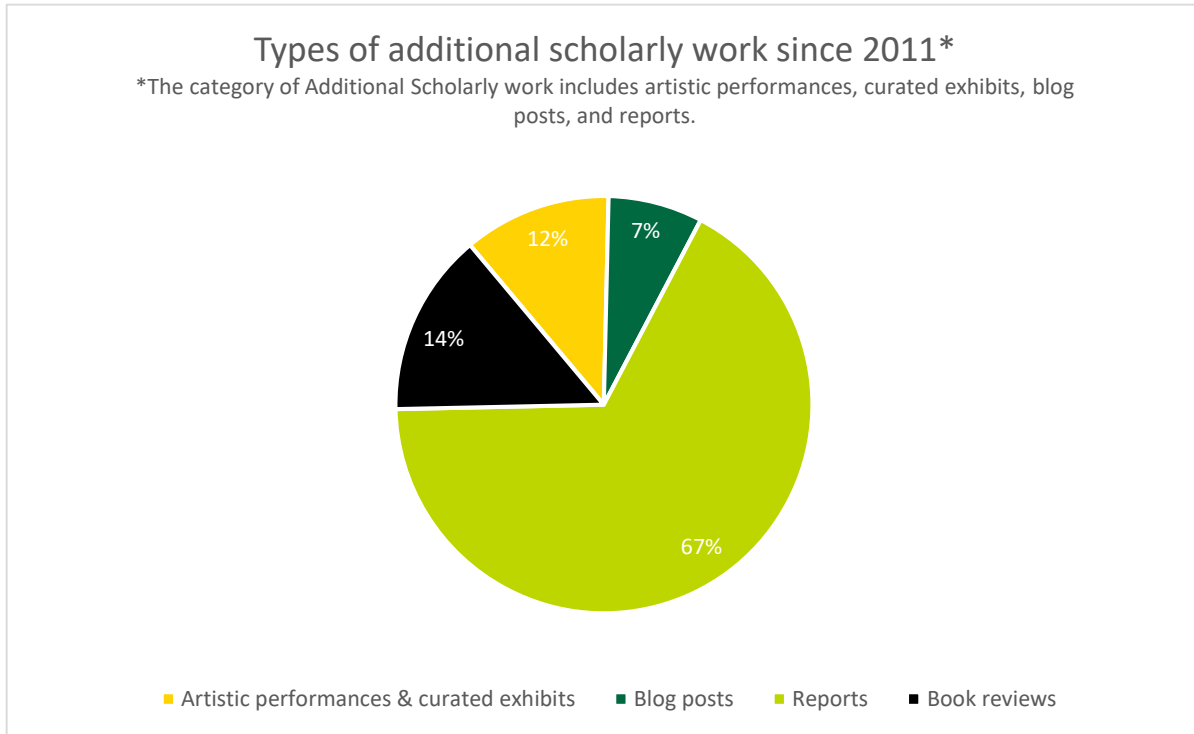


Figure 5 Types of additional scholarly work since 2011

This additional scholarly work has made up more than a quarter of librarians’ research outputs since 2011, showing the significant diversity of librarians’ research work.

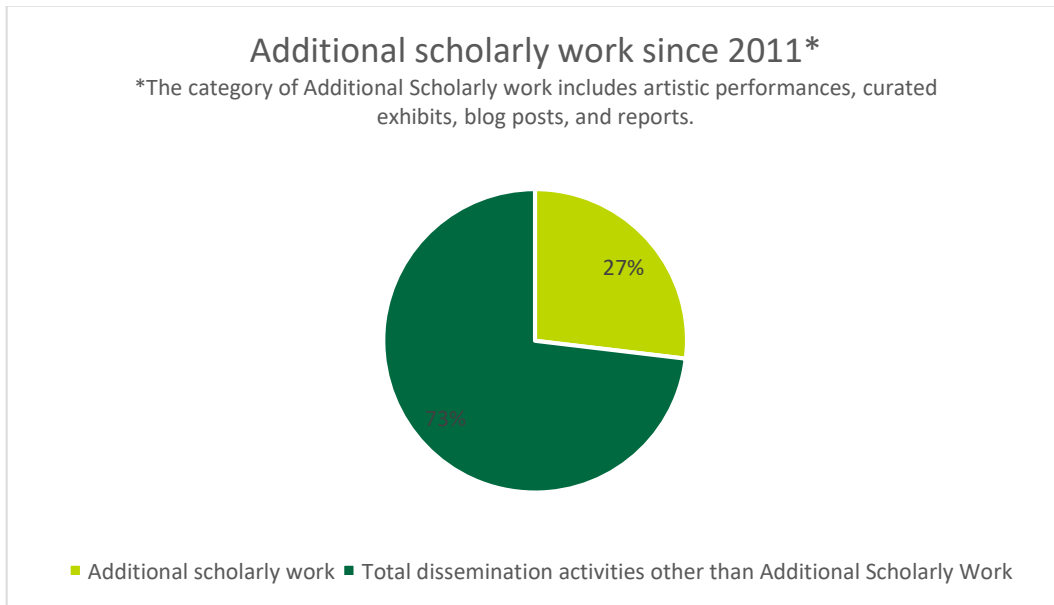


Figure 6 Additional types of scholarly work represent a significant portion of librarians' research outputs.

Librarian research is diverse, but USask librarian expertise also falls into key thematic areas. The figure below shows research areas in which more than one librarian has published a peer-reviewed article or chapter, or presented at a conference.

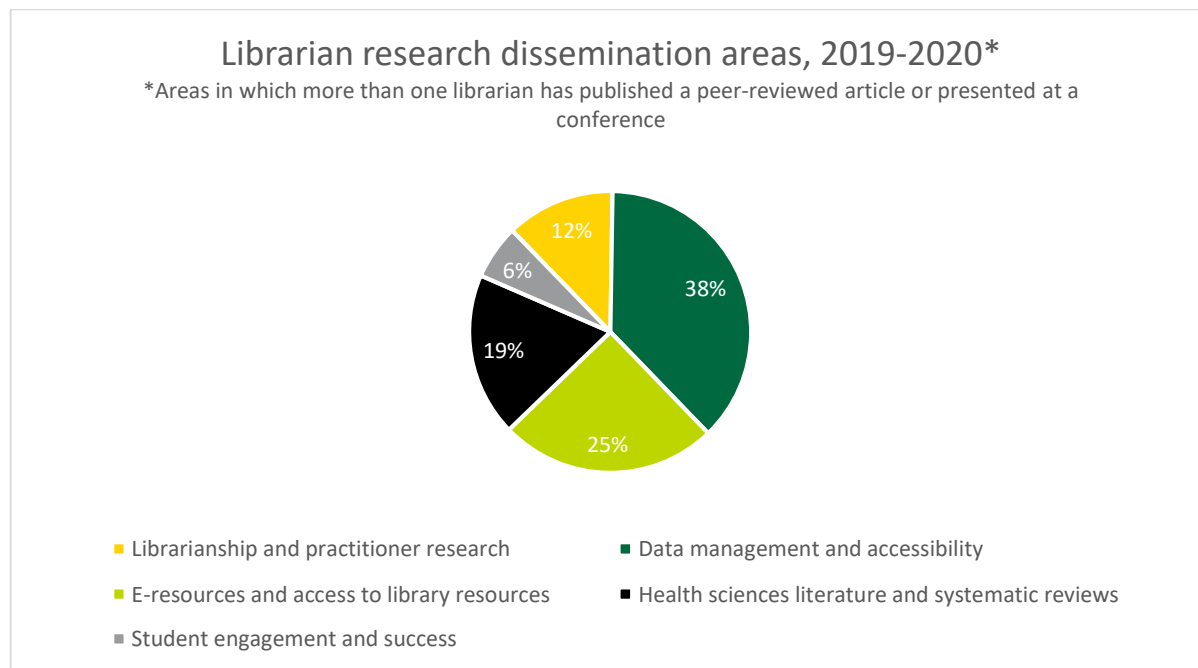


Figure 7 Librarian research dissemination areas, 2019-2020

Library Exhibits: Librarians’ Knowledge and the Public

Since 2006, librarians have spearheaded 72 public exhibits on diverse topics related to library resources and librarians’ research. Even when exhibits are not directly related to a librarian’s program of research, they represent a skillful form of knowledge mobilization.

Librarian David Bindle describes factors to consider when developing an exhibit: “Research may involve the discovery and identification of suitable items, condensing existing information or making new observations and commentary as well as comparing similar items to tease out and consolidate a cohesive theme.”



Figure 8 Display cabinet from the exhibit "The Medieval Manuscript: The Codex of the Middle Ages," curated by David Bindle. Preparing this exhibition required specialized knowledge of handling and reproducing images of the manuscript leaves. Photo by David Bindle.

Librarian David Bindle writes: “A successful exhibition can be described in many ways. In general, curators would be pleased to know that viewers would characterize their exhibition using adjectives such as: absorbing, compelling, delightful, engrossing, fascinating, humorous, inspiring, moving, provocative, timely or stimulating.

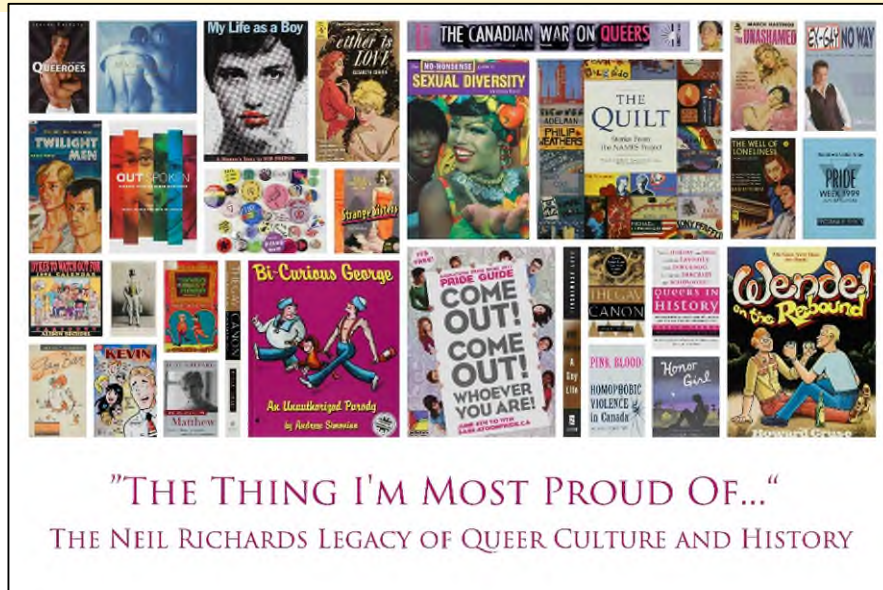


Figure 9 Poster for the exhibit "The Thing I'm Most Proud Of: The Neil Richards Legacy of Queer Culture and History," curated by David Bindle and Stevie Horn. Photo by David Bindle.

Exhibit Titles 2015-2020

Avery, C. (2016). *Here's Looking at You: Memory, Portrait and Biography*. Murray Library -- [Link Gallery](#).

Avery, C. (2017). *Greetings: Saskatchewan Artists Send Their Regards*. University Archives and Special Collections.

Bindle, D. (2015). *University Authors*. Murray Library -- [Link Gallery](#).

Bindle, D. (2017). *The Illustrators: Enhancing the Story with Line, Shadow and Colour*. Murray Library - [Link Gallery](#).

Bindle, D. (2020). *The Medieval Manuscript: The Codex of the Middle Ages*. Murray Library -- [Link Gallery](#).

Bindle, D., & Horn, S. (2018). *The Thing I'm Most Proud Of: The Neil Richards Legacy of Queer Culture and History*. Murray Library -- [Link Gallery](#).

Canevari de Paredes, D. (2016a). *Fidel Castro: 1926-2016—Castro, Cuba, and Canada's Connection: Selections from the University Library Collection*. Murray Library Ground Floor.

Canevari de Paredes, D. (2016b). *Holodomor: Murray Library Research Resources*. Murray Library

Ground Floor.

Canevari de Paredes, D. (2017a). *Black History Month: History and Heritage of Blacks in Canada*. Murray Library -- Link Gallery.

Canevari de Paredes, D. (2017b). *Saskatchewan Book Awards 2017: Winners*. Murray Library.

Crawley-Low, J. (2015). *It's a horse, of course!: Celebrating the enduring relationship between humans & horse through the collection of the University Library*. Murray Library -- Link Gallery.

Crawley-Low, J. (2017). *The history of veterinary literature: The Dr. Jack Rosen Veterinary Medicine History Collection*. Murray Library -- Link Gallery.

Doi, C. (2015). *Music in Saskatchewan*.

Gagne, M.-L. (2016). *60 Years of Educational Publishing in Saskatchewan: 1930 -1990*. Murray Library -- Link Gallery.

Hutchinson, T. B. (2018). *Duff Spafford Collection*. Murray Library -- Link Gallery; continuing supplement to Alumni Book Collection display.

McLean, J. (2018). *Library Makers*. Murray Library -- Link Gallery.

Murphy, S. (2018). *WCVM 2017 Images of Research*. Veterinary Medicine Library.

Grants

Librarians regularly apply for grant funding to support their research activities. While grant funding is by no means the only indicator of research intensity, tracking these numbers over time shows that librarians have collectively been awarded growing amounts of research funding, even in years when the number of grant applications is lower. This shows an ongoing interest in larger or longer-term grant projects alongside projects with shorter turnaround times. When viewing these numbers in conjunction with librarians' dissemination activities, it is clear that the number or size of grants has little bearing on the extent to which librarians engage with research.

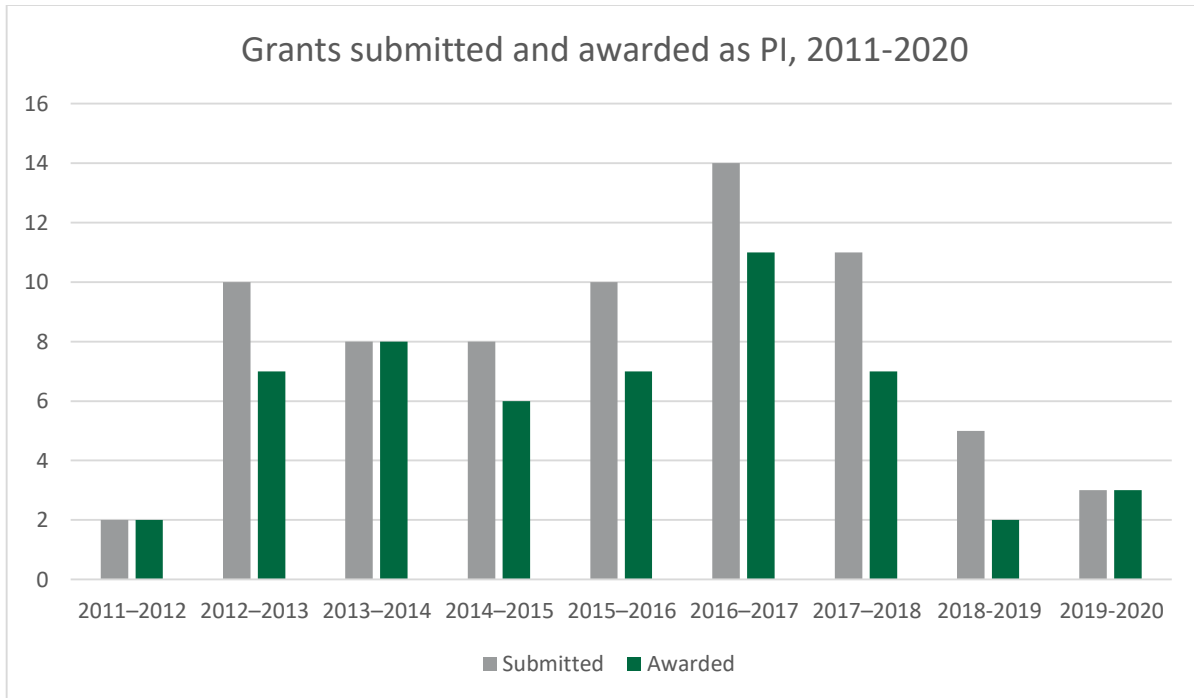


Figure 10 Grants submitted and awarded as PI, 2011-2020

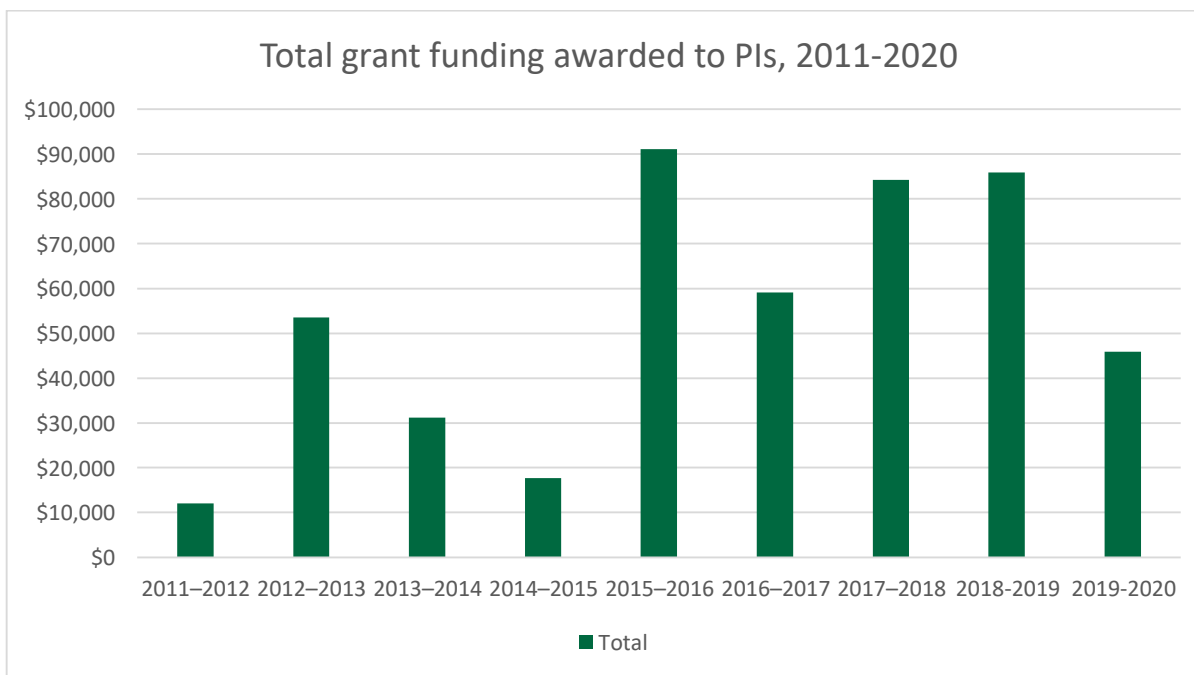


Figure 11 Total grant funding awarded to PIs, 2011-2020

In general, grant funding supports the development of a research project, the bulk of the research itself, or the dissemination of research.

Tracking these types of grants over time highlights not only librarian research activities, but also research needs. In particular, dissemination grants are sparse: few funds are available to support dissemination specifically, and this is particularly significant in the realm of open access publishing. Often, researchers are expected to account for open access publishing fees in their grant applications. But viewing librarians' consistent conference and publishing activities in comparison with the number and amount of grants received, it is evident that librarians' research productivity does not always depend on grant funding to take place. As a result, librarians wishing to publish in open access venues may face difficulty securing funds to pay publishing fees due to the dearth of specific grants available.

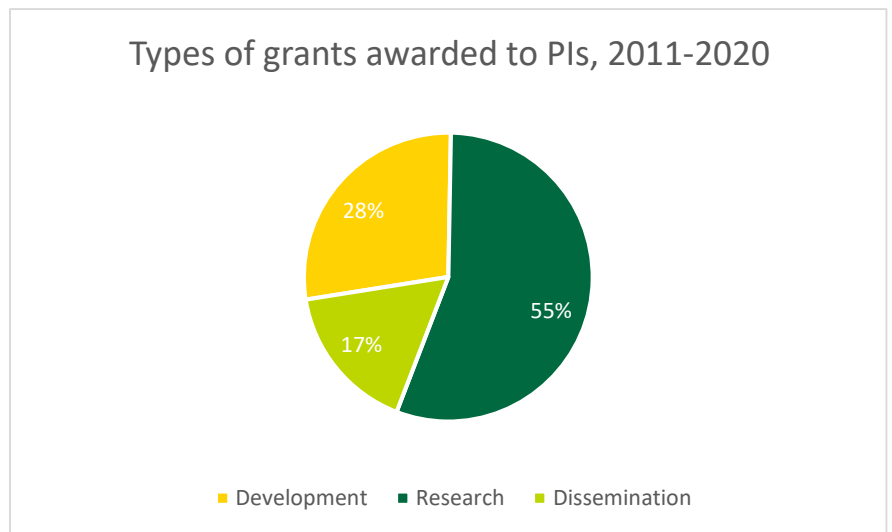


Figure 12 The types of grants awarded to librarian PIs reflect the funding landscape as a whole: most grants available are research grants, with fewer opportunities available for developing or disseminating research.

Collaborations

It is also important to note that grants with librarians as PIs comprise only one part of the research funding landscape. Each year, librarians become collaborators on grants, demonstrating the value of librarians' research expertise in research across disciplines and institutions. In general, the grants that librarians are involved with as collaborators are grants that are two or more years long; in other words, the figure below shows the number of new grants each year, rather than the total involvement each year.

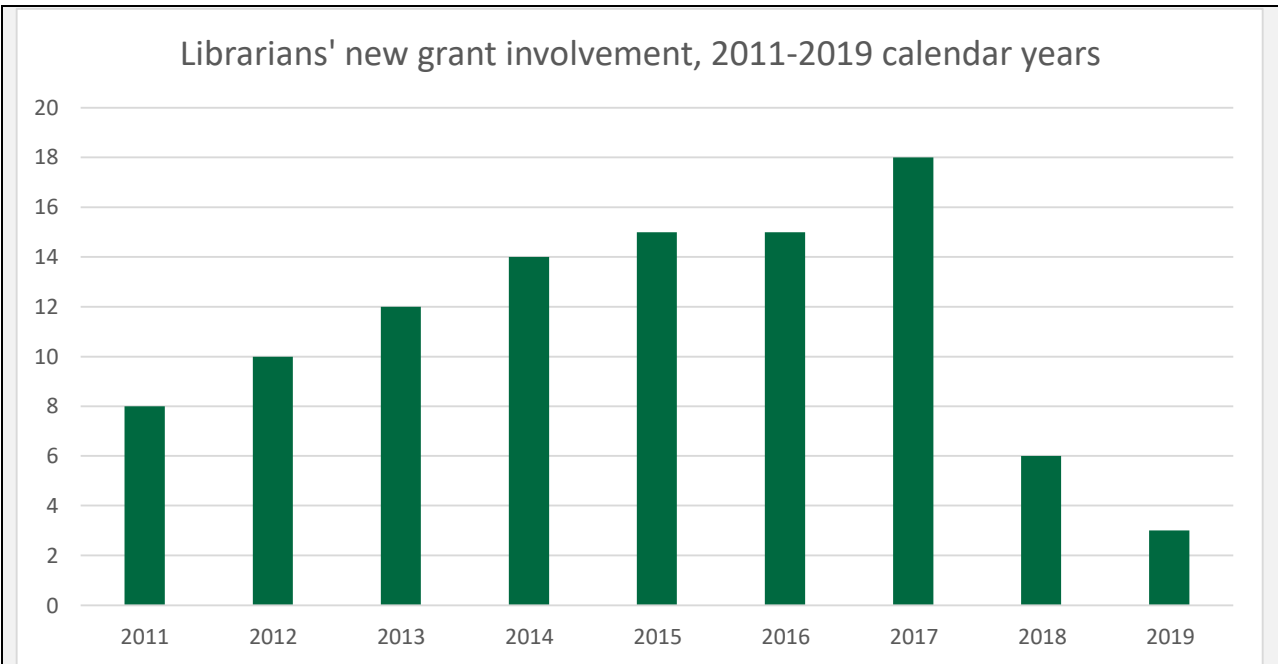


Figure 13 Librarians' grant involvement, 2011-2019

In addition to collaborations on grants, **79%** of contributed conference presentations by librarians in the 2019-2020 academic year were co-authored or co-presented, along with **75%** of peer-reviewed journal articles that were co-authored. These co-authorships took place both within and beyond the University of Saskatchewan Library, and within and beyond the field of Library and Information Studies.

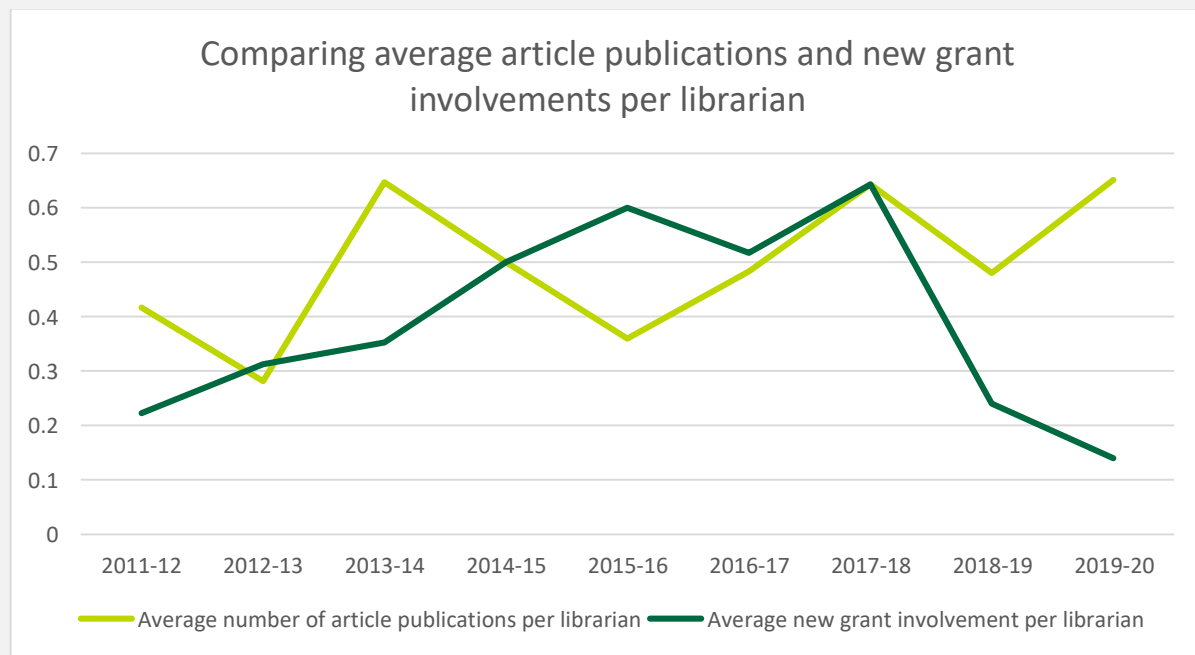


Figure 14 By comparing average article publications and new grant involvements per librarian, it is evident that in general, librarians publish more when they are not beginning new grant projects. New grant involvements lead to publications a year or two later.

Since 2011, librarians have collaborated on grants with researchers in at least 15 different disciplines and fields, with librarians' research expertise contributing to funding and research success well beyond the library itself:

- College of Arts & Science
 - Archaeology & Anthropology
 - English
 - History
 - Psychology
 - Sociology
- College of Engineering
- College of Medicine
 - Community Health & Epidemiology
 - Rehabilitation Science/Physical Therapy
- College of Nursing
- College of Pharmacy & Nutrition
- School of Environment & Sustainability
- Government sectors and non-profit organizations

Faculty Knowledge Exchange

Books and Book Chapters

Power, H., & Munro, S. (2020). Move out and move in: An embedded librarianship approach to liaison role. In R. Canuel & C. Crichton (Eds.), *Approaches to Liaison Librarianship: Innovations in Organization and Engagement*. Association of College and Research Libraries.

Conference Presentations and Published Proceedings²

Dase, K., & **Harkema, C.** (2020). *An Urn Carefully Wrought: Structuring Data for Interaction and Visualization in the The Social Network of Early Modern Collectors of Curiosities Project*. Canadian Society for Digital Humanities, London, ON.

Figueiredo, R., **Power, H.**, Mercer, K., & Borland, M. (2020). Embedding librarians in Engineering Programs: Three case studies with engineering students. *Canadian Engineering Education Association: Fostering Students' Ownership of Their Learning*. Canadian Engineering Education Association: Fostering Students' Ownership of their Learning, Montreal, QC.

Kumaran, M. (2020, March). *Inequity in Canadian academic librarianship (poster presentation)*. 25th National Congress and Rural Education in Canada Conference, Saskatoon, SK.

McLean, J., & Ladd, K. (2019, October). *The evolution of Big Deal analysis*. Canadian Library Assessment Workshop, Windsor, ON.

Mutwiri, B., & **Kumaran, M.** (2020, June). *Visible minority women's perspectives of courageous leadership*. Canadian Society for the Study of Education Conference, London, ON.

Power, H., Levang, T., & Munro, S. (2020). *Not a pipe dream: Designing displays that are eye-catching, informative and fun!* Ontario Library Association (OLA) Super Conference.

Read, K. B. (2020, June). Practical Approaches to Research Data Management in a Health Sciences Context. *Journal of the Canadian Health Libraries Association*. Canadian Health Libraries Association Annual Conference.

Read, K. B., Ganshorn, H., **Rutley, S.**, & Scott, D. (2020). Data discovery in a Canadian context: An analysis of CIHR-funded research data sharing practices. *Northern Alberta Health Libraries Association (NAHLA) Project Expo and Canadian Health Libraries Association Conference*. Northern Alberta Health Libraries Association (NAHLA) Project Expo and Canadian Health Libraries Association Conference.

² For the purposes of this report, this category includes conference papers and abstracts that were accepted but not presented due to COVID-19.

- Rohatinsky, N., Risling, T., **Kumaran, M.**, & Hellsten, L. (2020, February). *Prioritized adolescent healthcare transition readiness factors by Canadian inflammatory bowel disease nurses (poster presentation)*. 15th Congress of the European Crohn's and Colitis Organisation - Inflammatory Bowel Diseases, Vienna, Austria.
- Shen, R., Yu, H., Noble, B., Zeng, W., Gersher, S., Phung, T., Westbrook, C., Belcher, K., Nijhum, F., Weger, A., Alary, R., **Rutley, S.**, & Bell, S. (2019). A GIS-based model of ecosystem services for the Northeast Swale in Saskatoon, Saskatchewan. *Proceedings of the Conference Spatial Knowledge and Information - Canada*. Spatial Knowledge and Information - Canada, Banff, AB.
- Stalwick, A., Mogaji, I., & **Kumaran, M.** (2020, June). *Who are graduate doctoral students in Educational Administration at the University of Saskatchewan?* Canadian Society for the Study of Education Conference, Congress, London, ON.
- Tharani, K.** (2019). When tradition meets technology: Curating purposeful digital collections and tools for learning oral traditions. *Proceedings of EdMedia + Innovate Learning 2019*.
- Watson, E.** (2019). E-books and print books: What do medical students and residents prefer and why? *Medical Library Association Annual Meeting*. Medical Library Association Annual Meeting, Chicago, IL.
- Wurzer, G.** (2020). *Lightning Talk – Disenfranchisement and the Indian Act*. CALL 2020 Conference, Hamilton, ON.

Invited Presentations

- McLean, J.** (2020, June 18). *Sharing Experiences of Journal Cancellations on a Rapid Timeline*. SPARC webinar.
- McLean, J., Dawson, D., & Sorensen, C.** (2020, June 3). *Communicating about Big Deal Cancellations*. CARL webinar. <https://www.carl-abrc.ca/wp-content/uploads/2020/05/2020-06-Communicating-About-Big-Deal-Cancellations-FINAL.pdf>
- Read, K. B.** (2019, December 2). *Practicing What you Preach: Incorporating Data Management and Sharing Best Practices into Library Research*. Health Library Association of British Columbia.
- Read, K. B.** (2020, June 2). *Where is all the Research Data? Opportunities for Portage and Libraries to Improve the Discovery of Canadian Research Data*. Portage Network Webinar Series.
- Read, K. B., & Giustini, D.** (2020, April 9). *Supporting Open Science in Health Science Libraries*. National Network of Libraries of Medicine Pacific Northwest Data Series.

Peer-Reviewed Articles

- Federer, L., Foster, E. D., Glusker, A., Henderson, M., **Read, K. B.**, & Zhao, S. (2020). The Medical Library Association Data Services Competency: A Framework for Data Science and Open Science Skills Development. *Journal of the Medical Library Association*, 108(2).
- Hutchinson, T. B.** (2020). Natural language processing and machine learning as practical toolsets for

archival processing. *Records Management Journal*.

Jansen, L., Maina, G., Horsburgh, B., **Kumaran, M.**, Mcharo, K., Laliberte, G., Kappel, J., & Bullin, C. (2020). Co-developed Indigenous educational materials for chronic kidney disease: A scoping review. *Canadian Journal of Kidney Health and Disease*, 7.

McLean, J., Dawson, D., & Sorensen, C. (2020). Communicating collections cancellations to campus: A qualitative study. *College & Research Libraries*, 82(1).

Morrell, S., Giannotti, N., Pittman, G., & **Power, H.** (2020). Wound management provided by nurse practitioners: A literature review. *NP Current*, 5.

Murphy, S., Amerud, D., & Corcoran, C. (2019). An Exploration of Partnerships Between Disability Services Units and Academic Libraries. *Collaborative Librarianship*.

Peacock, S., Burles, M., Hodson, A., **Kumaran, M.**, MacRae, R., Pternelj-Taylor, C., & Holtslander, L. (2019). Older persons with dementia in prison: An integrative review. *International Journal of Prisoner Health*, 16(1).

Tharani, K. (2020). Just KOS: A case study to enhance online accessibility of non-western knowledge materials in libraries. *Knowledge Organization*, 47(3).

Additional Scholarly Work

Barrett, A., Dorgan, M., Fink, P., & **Murphy, S.** (2019). *AFMC Network on Libraries: Initiatives in Response to the Truth and Reconciliation Commission's Calls to Action*.

Bindle, D. (2020). *The Medieval Manuscript: The Codex of the Middle Ages (curated exhibition)*. Link Gallery, Murray Library.

Boden, C., Duncan, V., Murphy, S., Read, K. B., & Watson, E. (2020). *Comparison of Ovid Embase and Embase.com Platforms*.

Gilliland, A., Kati, R., Solomon, J., Hayes, L., Molls, E., Ghamandi, D., Thomas, C., Bonn, M., Cross, W., Lewis, D., Verbeke, D., Fruin, C., **Dawson, D.**, & Kingsley, D. (2019). JLSC Board Editorial 2019. *Journal of Librarianship and Scholarly Communication*, 7(1), 0–15.

Giustini, D., **Read, K. B.**, Federer, L., Deardorff, A., & Rethlefsen, M. (2020). *Health sciences librarians' support of researchers and engagement in open science: A scoping review (protocol)*.

Read, K. B., Ganshorn, H., **Rutley, S.**, & Scott, D. (2020). *Surveying the landscape of CIHR-funded research data sharing practices: An analysis of the published literature*. <http://osf.io/n9jv5>

Sarjeant-Jenkins, R. (2020). *School-community libraries of South Australia: The lived experience. A report of 2018 research results*. <http://hdl.handle.net/10388/12872>

Tharani, K. (2019a). *Ginan Glossary*, University of Saskatchewan Library. <http://ginans.usask.ca/glossary>

Tharani, K. (2019b). *Ginan Key Word in Context (Concordance)*, University of Saskatchewan Library.

<http://ginans.usask.ca/concordance>

Tharani, K. (2019c). *Ginan Reverse Lexicon*, University of Saskatchewan Library.
<http://ginans.usask.ca/lexicon>