# INFO 6750 Health Sciences Literature and Information Sources Summer 2025

Course Type: Online

Instructor: Kaitlin Fuller, MLIS and Leah Boulos, MLIS

**Contact info:** Kaitlin – <u>kfuller@stfx.ca</u>

Leah - <u>leah.boulos@dal.ca</u>

Please include both of us on all emails about the course.

Office hours: TBD

Course website: Brightspace

Tutorials: Online

# **Communication Expectations**

You can expect timely communication from us, we aim to respond to emails within **two business days**. The best way to reach us is via **email**, and we ask that you **include both instructors** in your email.

In the event of any unexpected changes or emergencies, we will communicate through **Brightspace** announcements and provide email updates as needed.

"EBM extends the librarians' role beyond identification of the literature to involvement in practicing and teaching quality filtering and critical appraisal of the literature. These activities require librarians to acquire new knowledge and develop new skills."

Scherrer, C. S., & Dorsch, J. L. (1999). The evolving role of the librarian in evidence-based medicine. *Bulletin of the Medical Library Association*, *87*(3), 322–328.

#### COURSE DESCRIPTION

INFO 6750 introduces students to information resources and services used in health sciences settings with an emphasis on responding to information needs and uses, in different contexts including academic libraries, hospital libraries, and other research support settings. Designed for future information professionals and librarians, this course explores how information specialists and librarians support evidence-informed healthcare by supporting the integration of the available evidence into decision-making. Students will gain a broad understanding of the evidence synthesis landscape and the role of the search in the overall methodological rigour of these reviews.

Key topics include evidence-informed practice, the evidence pyramid, and an examination of bibliographic databases, evidence synthesis methods, and point-of-care tools in the health sciences. The course also highlights the different roles health information specialists and librarians are involved in across academic institutions, healthcare settings, and research units.

Emphasizing a practical approach, students will develop skills in searching for clinical questions, conducting comprehensive and reproducible literature searches, and in applying reporting standards to ensure transparency.

#### **COURSE PRE-REQUISITES**

INFO 5530 Information Sources, Services & Retrieval or instructor approval

#### **LEARNING OUTCOMES**

At the completion of this course, students will:

- 1. Define evidence-informed practice and describe how and why healthcare professionals and information specialists engage in evidence-informed practice.
- 2. Support evidence-based practice in clinical and academic environments.
- 3. Identify and evaluate core resources in health and biomedical information
- 4. Describe the information specialists' role in supporting the information needs of healthcare providers and researchers.
- 5. Recognize key differences between systematic reviews, scoping reviews, rapid reviews, narrative reviews and other forms of literature reviews.
- 6. Create comprehensive and transparent search strategies in two health science bibliographic databases and conduct a structured grey literature search.
- 7. Integrate conduct standards, reporting guidelines, and provide peer-to-peer feedback to produce reproducible and transparent search strategies.
- 8. Demonstrate effective communication skills to inform, educate, or advocate for a health-information related topic
- 9. Understand current advancements in artificial intelligence in the health information space, and how to apply tools in health information-related work.

#### **TECHNOLOGY REQUIREMENTS**

INFO 6750 is offered fully online using a combination of synchronous and asynchronous approaches. Learning materials include Brightspace, Dalhousie University Libraries resources including full text and bibliographic databases, online drug and clinical information resources, citation management software,

and videos that are pre-recorded or available from online sources. Synchronous lectures will be offered using Blackboard Collaborate.

#### **DESCRIPTION OF CLASS FORMAT**

INFO 6750 is fully online with content split between synchronous and asynchronous delivery.

Lectures will be offered synchronously using Blackboard Collaborate on **Wednesdays**, **6:30-8:30pm** Halifax time. Direct links to each lecture will be embedded in the course schedule and provided on Brightspace.

All other course activities will be asynchronous.

#### LEARNING MANAGEMENT SYSTEM SITE INFORMATION

All course materials will be delivered using Dalhousie Brightspace (INFO 6750 2025 Summer). The Brightspace will include descriptions of assignments, rubrics, select course readings, links to external content such as videos and learning modules, class announcements, and discussion boards.

Students will be expected to submit all assignments using Brightspace. Information about how to do this and specifics about each assignment will be included Brightspace.

#### **INSTRUCTIONAL METHODS**

- **Lectures:** Will provide an opportunity for us to come together and explore the topics outlined in the course schedule. Synchronous sessions will allow for real-time discussion and/or activities.
- Worksheets: During synchronous sessions to practice skills and topics covered. These will typically be completed as groups.
- **Group discussions:** through discussion boards and during synchronous sessions to expand on content as a community online.
- **Readings, videos, and podcasts:** Will give students the opportunity to learn content independently. Topics will be reinforced and built upon during synchronous classes.
- Labs: These smaller assignments will be delivered asynchronously to give students hands-on experience with established methods and best practices.
- Assignments will give students the opportunity to develop and reinforce skills and competencies.
- **Guests:** Invited guest speakers will be involved in a few sessions throughout the semester. They will either be recorded videos or attend our synchronous class time.
- Asynchronous modules and knowledge checkers: Will give students the opportunity to learn
  content independently and will involve participation. Topics will be reinforced and built upon during
  synchronous classes.

## **LEARNING MATERIALS**

There is no textbook for this course. Class readings are listed in the course schedule and are available online through Dalhousie Libraries or Brightspace.

# **METHODS OF EVALUATION**

Detailed instructions regarding each assignment will be provided. Assessment of all assignments is directly related to attention to the instructions, clarity of expression and presentation, and evidence of significant analysis and reflection.

See also the **Grading Policy**.

COMPONENT	DETAILS	DUE DATE	VALUE/WEIGHT
Search Assignment	This project builds on skills learned throughout	Part 1:	Part 1: 5% (pass/fail)
	the course and is the	Part 2:	Part 2: 5% (pass/fail)
	type of work that health librarians do regularly	Part 3:	Part 3: 30%
	Part 1: MEDLINE search	See course schedule	Total: 40%
	Part 2: Peer Review		
	Part 3: Final Report		
Topic Presentation	An instructional presentation to teach a health information-related skill to a predetermined audience	Presentation dates: TBD	10%
Labs	Short assignments related to course material	See course schedule	<b>30%</b> (10% x 3)
Reflections	Reflections content and personal learning	See course schedule	Course reflections: 5% (2.5% x 2) Final reflection: 5%
			Total: 10%
Reading discussion boards	Discussion board post	See course schedule	<b>10%</b> (5% x 2)

To support your learning throughout the course, there will be several required activities that are not graded but are important for your success. These include self-assessment evaluations at the beginning and end of the course, as well as knowledge checkers to help you monitor your understanding. There will also be in-class activities that reinforce key concepts during the synchronous classes, and many of these will involve group discussions. Additionally, assigned readings will provide important background and context for each topic. While these components are not for credit, it is important to fully engage with all of the course material to prepare for graded assessments and meet the learning outcomes.

# **INTEGRATION OF MI Competencies**

PROGRAM COMPETENCY	COURSE LEARNING OUTCOME	COURSE ASSESSMENT
Adaptation	8,9	Individual Presentations
		Discussion board reading
		Group work activities (no credit)
Collaboration	8,7	Individual Presentations
		Peer Review Assignment
		Group work activities (no credit)
Commitment to equity,	3,6,8,9	Discussion Board 1
diversity, inclusion,		Group work activities (no credit)
accessibility, and		
decolonization		
Communication	7,8,1	Individual Presentations
		Peer Review Assignment
		Reflections
		Discussion Board
Digital and technological	8,6,3	Search assignment
literacy		Lab 1-3
		Group work activities (no credit)
Evidence-based practices	1,2,4,5	Lab 1-3
		Search assignment
		Reflection
		Group work activities (no credit)
Leadership	7,8	Final Reflection
Learning	1,2,3,4,5,6,7,8	Reflection 1,2
9		Final Reflection
		Group work activities (no credit)
Management	3	Group work activities (no credit)
User-centred design	3	Group work activities (no credit)

#### **COURSE EXPECTATIONS**

# As your instructors, we expect that you will:

- Take responsibility for your own learning;
- Ask questions when you don't understand;
- Make a real effort to engage with your instructors and fellow students in an online environment;
- Participate respectfully in synchronous group work and class discussions, valuing diverse perspectives and experiences;
- Engage in asynchronous content such as modules, readings, videos, and online discussions;
- Complete all assignments to the best of your ability and submitted according to posted instructions;
- Treat your fellow students and instructor with respect;
- Uphold academic integrity in all coursework;
- Be transparent about the use of artificial intelligence by way outlined in this syllabus.

# As students, you are entitled to expect that we will:

- Show curiosity about your learning and respect for you;
- Make a real effort to engage with you in an online environment;
- Ensure that course materials are relevant and current;
- Clearly communicate any changes to the course schedule, content, or assignments through Brightspace announcements;
- Respond to your questions by 2 business days;
- Establish and maintain a constructive environment for learning;
- Plan class materials, and assignments to help you achieve the course goals;
- Provide clear guidance for assignments, assessment criteria, and be transparent about our goals for the course and your learning;
- Provide timely and useful feedback.

#### **CLASS POLICIES**

#### Attendance

Class attendance is required in all MI courses. Attendance records will be kept by the instructor. Portions of some classes will be recorded.

## **Citation Style**

As this course is on health information, and health librarians support users using a variety of styles but most often Vancouver style, this course will require you to use **Vancouver style**. Please use Vancouver style in your assignments to briefly identify (cite) other people's ideas and information and to indicate the sources of these citations in the References list at the end of the assignment.

For more information on Vancouver style, consult NLM Citing Medicine:

https://www.ncbi.nlm.nih.gov/books/NBK7256/

#### **Due Dates**

Each individual assignment will include two dates: a recommended due date, which helps with course pacing and aligns assignments with the material being covered, and a final deadline, which is required for administrative purposes such as grading and assignment functionality. Late penalties of 5%/day up to 3 days will only apply to the final deadline, as these dates must remain firm for administrative reasons.

Assignments done in collaboration with others (such as the search peer review) must be submitted by the final deadline, to facilitate your colleagues completing their own work.

# **Use of Artificial Intelligence**

You have the option to use generative artificial intelligence tools such as Microsoft CoPilot. Permitted uses of generative AI consist of: drafting and problem solving an assignment, writing support, customized learning plan, searching (on a generative AI search platform). If you have another idea for how you would like to use generative AI in the course, please confirm with us first.

# If you use generative AI you will be expected to report the following:

- Name of the program used
- Prompts and how you improved them
- Changes you made to the text
- Reflection on how the tool helped or did not help you

# An example statement includes:

Microsoft CoPilot was used to enhance this discussion board post. I used prompt [name of prompt] and edited the text. This helped me better articulate my ideas.

# **Uses of Generative AI that are not permitted:**

- Summarizing and synthesizing an entire article or book chapter for you is not permitted. This
  practice runs the risk of copyright infringement as the authors did not give permission for their works
  to be used to train an Al.
- Creating Boolean queries (unless otherwise indicated). We will cover this later in the course, but until we get there you will need to write these searches yourself.

## Missed or Late Academic Requirements due to Student Absence

Dalhousie University recognizes that students may experience short-term physical or mental health conditions, or other extenuating circumstances that may affect their ability to attend required classes, tests, exams or submit other coursework.

Dalhousie students are asked to take responsibility for their own short-term absences (3 days or less) by contacting their instructor by phone or email prior to the academic requirement deadline or scheduled time **AND** by submitting a completed <u>Student Declaration of Absence form</u> to their instructor in case of missed or late academic requirements. Only 2 separate Student Declaration of Absence forms may be submitted per course during a term.

## **GRADING POLICY**

A+	90-100	Demonstrates original work of distinction.
A	85-89	Demonstrates high-level command of the subject matter and an
	00-09	ability for critical analysis.
A-	80-84	Demonstrates above-average command of the subject matter.
B+	77-79	Demonstrates average command of the subject matter.
В	73-76	Demonstrates acceptable command of the subject matter.
B- 70-72	Demonstrates minimally acceptable command of the subject	
	70-72	matter.
F	<70	Unacceptable for credit towards a Master's degree.

# **ACCOMMODATION POLICY FOR STUDENTS**

The Student Accessibility Centre is Dalhousie's centre of expertise for student accessibility and accommodation. The advising team works with students on the Halifax campus who request accommodation as a result of: a disability, religious obligation, or any barrier related to any other characteristic protected under Human Rights legislation (NS, NB, PEI, NFLD). If there are aspects of the design, instruction, and/or experiences within this course that result in barriers to your inclusion please contact the Student Accessibility Centre. Please visit www.dal.ca/access for more information and to obtain the Request for Accommodation form.

A note taker may be required as part of a student's accommodation. Visit <a href="https://www.dal.ca/campus\_life/academic-support/accessibility/accommodations-/classroom-accommodation.html">https://www.dal.ca/campus\_life/academic-support/accessibility/accommodations-/classroom-accommodation.html</a> for more details.

Please note that your classroom may contain accessible furniture and equipment. It is important that these items remain in the classroom, undisturbed, so that students who require their use will be able to fully participate.

#### **ACADEMIC INTEGRITY**

In general: The commitment of the Faculty of Management is to graduate future leaders of business, government and civil society who manage with integrity and get things done. This is non-negotiable in our community and it starts with your first class at Dalhousie University. So, when you submit any work for evaluation in this course or any other, please ensure that you are familiar with your obligations under the Faculty of Management's Academic Integrity Policies and that you understand where to go for help and advice in living up to our standards. You should be familiar with the Faculty of Management Professor and Student Contract on Academic Integrity, and it is your responsibility to ask questions if there is anything you do not understand.

Dalhousie offers many ways to learn about academic writing and presentations so that all members of the University community may acknowledge the intellectual property of others. Knowing how to find, evaluate, select, synthesize and cite information for use in assignments is called being "information literate". Information literacy is taught by Dalhousie University Librarians in classes and through Dalhousie Libraries' online Citing & Writing tutorials.

Do not plagiarize any materials for this course. For further guidance on what constitutes plagiarism, how to avoid it, and proper methods for attributing sources, please consult the University Secretariat's Academic Integrity page.

Please note that Dalhousie subscribes to software that checks for originality in submitted papers. Any paper submitted by a student at Dalhousie University may be checked for originality to support instructors in confirming that the student has not plagiarized from other sources. Plagiarism is considered a very serious academic offence that may lead to loss of credit, suspension or expulsion from the University, or even the revocation of a degree. It is essential that there be correct attribution of authorities from which facts and opinions have been derived. At Dalhousie, there are University Regulations which deal with plagiarism and, prior to submitting any paper in a course; students should read the Policy on Intellectual Honesty contained in the Academic Calendar.

Furthermore the University's Senate has affirmed the right of any instructor to require that student assignments be submitted in both written and computer readable format, e.g.: a text file or as an email attachment, and to submit any paper to a check such as that performed by the plagiarism detection software. As a student in this class, you are to keep an electronic copy of any paper you submit, and the course instructor may require you to submit that electronic copy to plagiarism detection software. Use of third-party originality checking software does not preclude instructor use of alternate means to identify lapses in originality and attribution. The result of such assessment may be used as evidence in any disciplinary action taken by the Senate.

Finally: If you suspect a lapse in academic integrity by colleagues or a professor, you may confidentially share your concerns via DeanManagement@dal.ca.

# Faculty of Management clarification on plagiarism versus collaboration:

There are many forms of plagiarism, for instance, copying on exams and assignments. There is a clear line between group work on assignments when explicitly authorised by the professor and copying solutions from others. It is permissible to work on assignments with your friends but only when the professor gives you permission in the specific context of the assignment. University rules clearly stipulate that all assignments should be undertaken individually unless specifically authorised.

Specific examples of plagiarism include, but are not limited to, the following:

- Copying a computer file from another student, and using it as a template for your own solution
- Copying text written by another student
- Submitting the work of someone else, including that of a tutor as your own

An example of acceptable collaboration includes the following:

 When authorised by the professor, discussing the issues and underlying factors of a case with fellow students, and then each of the students writing up their submissions individually, from start to finish.

#### **UNIVERSITY STATEMENTS**

This course is governed by the academic rules and regulations set forth in the <u>University Calendar</u> and the Senate.

## **ACCESSIBILITY**

The Student Accessibility Centre is Dalhousie's centre of expertise for matters related to student accessibility and accommodation. We work collaboratively with Dalhousie and King's students, faculty, and staff to create an inclusive educational environment for students. The Centre is responsible for administering the university-wide <a href="Student Accommodation Policy">Student Accommodation Policy</a> working across all programs and faculties.

#### STUDENT CODE OF CONDUCT

Everyone at Dalhousie is expected to treat others with dignity and respect. The Code of Student Conduct allows Dalhousie to take disciplinary action if students don't follow this community expectation. When appropriate, violations of the code can be resolved in a reasonable and informal manner—perhaps through a restorative justice process. If an informal resolution can't be reached, or would be inappropriate, procedures exist for formal dispute resolution.

# **DIVERSITY AND INCLUSION**

Every person at Dalhousie has a right to be respected and safe. We believe inclusiveness is fundamental to education. We stand for equality. Dalhousie is strengthened in our diversity. We are a respectful and inclusive community. We are committed to being a place where everyone feels welcome and supported, which is why our Strategic Direction prioritizes fostering a culture of diversity and inclusiveness (Strategic Priority 5.2).

## **INTERNATIONALIZATION**

At Dalhousie, "thinking and acting globally" enhances the quality and impact of education, supporting learning that is "interdisciplinary, cross-cultural, global in reach, and orientated toward solving problems that extend across national borders."

# RECOGNITION OF MI'KMAQ TERRITORY

Dalhousie University is located in Mi'kma'ki, the ancestral and unceded territory of the Mi'kmaq. We are all Treaty people. For more information about the purpose of territorial acknowledgements, or information about alternative territorial acknowledgements if your class is offered outside of Nova Scotia, please visit <a href="https://native-land.ca/">https://native-land.ca/</a>.

The Elders in Residence program provides students with access to First Nations elders for guidance, counsel and support. Visit the office in the McCain Building (room 3037) or contact the programs at elders@dal.ca or 902-494-6803 (leave a message).

# **FAIR DEALING POLICY**

The Dalhousie University Fair Dealing Policy provides guidance for the limited use of copyright protected material without the risk of infringement and without having to seek the permission of copyright owners. It is intended to provide a balance between the rights of creators and the rights of users at Dalhousie.

# **COURSE SCHEDULE**

Date, Topic,	Readings, Recordings, Resources	Reminders &
Objectives		Assignments
Week 1	Complete: Self assessment quiz (MLA) (no marks)	Lab 1
		assigned
Course	Post: Introduction discussion board (no marks)	
Introduction		
	Watch: Introduction Videos	
<ul> <li>Syllabus</li> </ul>		
review	Close read: The syllabus	
<ul> <li>Class</li> </ul>		
introductions	Required Reading	
<ul> <li>Introduction to</li> </ul>	Read: Greenhalgh T. How to read a paper: The basics of evidence-based	
health	medicine. 5 <sup>nd</sup> ed. West Sussex, UK: John Wiley & Sons, Ltd.; 2014. Chapter 1	
librarianship &	pp.1-14. [e-book]	
Evidence	Read: Fiske, S. T. (2013). Gaining trust as well as respect in communicating to	
Based	motivated audiences about science topics. The Proceedings of the National	
Practice	Academy of Sciences, 111(Supplement 4), 13593-	
	13597. https://doi.org/10.1073/pnas.1317505111	
0	<del></del>	
Synchronous	Read: Johns Hopkins' Tragedy: Could Librarians Have Prevented a Death?	
session, May 7:	[news]	
Syllabus		
review	Pick at least 2 of the below & quick read/skim:	
Course	Librarians' Roles	
expectations	<ul><li>Vaughan, K. T., Hayes, B. E., Lerner, R. C., McElfresh, K. R., Pavlech,</li></ul>	
Lecture:	L., Romito, D., Reeves, L. H., & Morris, E. N. (2013). Development of	
Health	the research lifecycle model for library services. Journal of the Medical	
information professional	Library Association : JMLA, 101(4), 310–314.	
role	https://doi.org/10.3163/1536-5050.101.4.013	
TOIC	Barr-Walker, J., & Sharifi, C. (2019). <u>Critical librarianship in health</u>	
	sciences libraries: an introduction. Journal of the Medical Library	
	Association: JMLA, 107(2), 258.	
	Brettle, A., Maden, M., & Payne, C. (2016). The impact of clinical      The impact of clinical and the sale and the s	
	librarian services on patients and health care organisations. Health	
	<ul> <li>Information &amp; Libraries Journal, 33(2), 100-120.</li> <li>Westmark, D. M., Hartman, T. L., &amp; Schmidt, C. M. (2022). Landscape</li> </ul>	
	of health sciences librarian-mediated search services. Health	
	Information & Libraries Journal, 39(4), 365-376.	
	imonnation & Libranes Journal, 38(4), 300-370.	
	Medical Professionals	
	Quick Read/Skim the below to get an idea of how some medical professionals	
	are trained	
	<ul> <li>Quickly browse the <u>CanMEDS framework</u> (download the document or</li> </ul>	
	use the quick links on the right-hand side) to see the abilities identified	
	for physicians to effectively meet the health care needs of the people	
	they serve. This is foundation for all educational standards for	
	physicians in Canada.	
	1.13 - 1-1-1-1-1	<u> </u>

			ı
		<ul> <li>Focus on the Scholar Role <a href="https://www.royalcollege.ca/en/standards-">https://www.royalcollege.ca/en/standards-</a></li> </ul>	
		and-accreditation/canmeds/scholar-role.html	
		Quick Read/Skim: Naeem, S. B., & Bhatti, R. (2020). Measures of self-efficacy	
		among doctors in conducting an online search for clinical decision making.	
		Health Information & Libraries Journal, 37(2), 128-142.	
We	ek 2	Post: Reading discussion board (no marks)	Lab 2
			assigned
	idence-Based	Required Reading	
Pra	actice (EBP),		Lab 1 due
He	alth	Quick Read/Skim: Straus, S. E., Glasziou, P., Richardson, W. S. (Warren S., &	
Inf	ormation	Haynes, R. B. (2019). Evidence-based medicine: how to practice and teach	
So	urces, and	EBM (Fifth edition.). Elsevier. Chapter 1	
Re	search	Read: Alper, B. S., & Haynes, R. B. (2016). EBHC pyramid 5.0 for accessing	
Me	thods	preappraised evidence and guidance. BMJ evidence-based medicine, 21(4),	
		123-125	
•	History and		
	purpose of	Read: Sackett, D. L., Rosenberg, W. M. C., Gray, J. A. M., Haynes, R. B., &	
	EBP	Richardson, W. S. (1996). Evidence based medicine: What it is and what it isn't.	
•	Levels and	it's about integrating individual clinical expertise and the best external evidence.	
	types of health	British Medical Journal, 312(7023), 71-72	
	evidence	<u>D</u> ittisti Medicai 30dittai, 312(1023), 11-12	
	(EBM Pyramid	Read: Taylor, W., & Kindred, C. (2018, February 26). <i>African-Americans are</i>	
	and 5S	more likely to distrust the medical system. Blame the Tuskegee experiment. The	
	Pyramid)	Nib. https://thenib.com/tuskegee-experiment/ [comic]	
•	Sources of	Nib. <u>Intips://trienib.com/tuskegee-experiment/</u> [comic]	
	health	Bood: Bogoro B. I. Swift K. von der Woord K. Auger M. Heleeth B.	
	information	Read: Rogers, B. J., Swift, K., van der Woerd, K., Auger, M., Halseth, R.,	
•	High-level	Atkinson, D., & Bedard, A. (2019). At the interface: Indigenous health	
	overview of	practitioners and evidence-based practice (pp. 1-34). Prince George, BC,	
	evidence	Canada: National Collaborating Centre for Aboriginal Health.	
	synthesis	Dead, Fratain D. Bradullian (0047, Falaman, 00) Whan suidense and so but	
	methods	Read: Epstein, D., ProPublica. (2017, February 22) When evidence says no, but	
	memous	doctors say yes. The Atlantic. Retrieved from:	
SVI	nchronous	https://www.theatlantic.com/health/archive/2017/02/when-evidence-says-no-	
	ssion, May 14:	butdoctors-say-yes/517368/	
	Levels and	Quick Boad/Skim: Novo I. & Slopim Novo V. (2011). The muth of evidence	
	types of health	Quick Read/Skim: Nevo, I., & Slonim-Nevo, V. (2011). The myth of evidence-	
	evidence	based practice: Towards evidence-informed practice. British journal of social	
	(EBM Pyramid	work, 41(6), 1176-1197	
	and 5S	Optional:	
	Pyramid)	Quick Read/Skim: Feinstein, A. R., & Horwitz, R. I. (1997). Problems in the	
	Practice	evidence of evidence-based medicine. American Journal of Medicine, 103(6),	
	searching in	529- 535. doi:10.1016/S0002- 9343(97)00244-1	
	•	323- 333. UUI. 10. 10 10/30002- 3343(37)00244-1	
	pre-appraised information	Complete the enline module, including watching the DubMed videos:	
		Complete the online module, including watching the PubMed videos:	
	(DynaMed,	https://gerstein.library.utoronto.ca/sites/default/public/asking-questions-locating-	
	CPS,	evidence-nur-430/#/	
	Cochrane		

		1
Clinical	Listen:	
Answers)	Freakonomics Podcast. Bad Medicine, Part 1 – 3 [Audio podcast, rebroadcast].	
Critical	Part 1 Bad Medicine, Part 1: The Story of 98.6 : http://freakonomics.com/podcast/bad-medicine-part-1-story-rebroadcast/	
evaluation of	(44min)	
PoC Tools -	(4411111)	
group activity & search	Part 2 Bad Medicine, Part 2: (Drug) Trials and Tribulations	
practice	http://freakonomics.com/podcast/bad-medicine-part-2-drug-trials-	
practice	tribulationsrebroadcast/ (48min)	
	tribulations(eb) (40min)	
	Part 3: Bad Medicine, Part 3: Death by Diagnosis	
	https://freakonomics.com/podcast/bad-medicine-part-3-death-by-diagnosis-	
	rebroadcast/ (47min)	
Week 3	Post: Reading discussion board (no marks)	Reflection 1
	Required Reading:	assigned
Searching for	Read: Richardson, W. S., Wilson, M. C., Nishikawa, J., & Hayward, R. S. (1995).	
Health	The well-built clinical question: a key to evidence-based decisions. <i>ACP journal</i>	
Information, Part	club, 123(3), A12–A13.	
1: Clinical		
Information	Quick Read/Skim: Straus, S. E., Glasziou, P., Richardson, W. S. (Warren S., &	
	Haynes, R. B. (2019). <i>Evidence-based medicine : how to practice and teach EBM</i> (Fifth edition.). Elsevier. Chapter 2	
Framing	Libim (1 littl edition.). Lisevier. Griapter 2	
research	Quick Read/Skim: Ioannidis JP. Why most published research findings are false.	
questions	Chance. 2005 Sep 1;18(4):40-7.	
(PICO)	Outline Land Hard of tills and a second to the Constant of Constant	
PubMed     (videos)	Optional: read the two follow-up comments by Goodman & Greenland (2007) and loannidis (2007)	
(videos)	(2007) and toannidis (2007)	
Synchronous	Read: Beth Israel Deaconess Medical Center. (2020, September 21). Study	
session, May 21:	reveals racial disparities in clinical trial recruitment and points to strategies to	
PICO Review	achieve more inclusive clinical research. <a href="https://www.bidmc.org/about-">https://www.bidmc.org/about-</a> bidmc/news/2020/09/racial-disparities-in-clinical-trial-recruitment [website]	
Search	bidino/news/2020/09/racial-dispanties-in-clinical-trial-reciditinent [website]	
Concept		
Identification	Watch: Welch Medical Library PubMed Series:	
<ul> <li>Database</li> </ul>	https://www.youtube.com/playlist?list=PLF2KCgTC6mbQX8Creoyl4jl8q-xeyfcyj	
Demo	<ul> <li>Required Watch Video 1-4</li> <li>Optional viewing 5-6 (this will help prepare you for comprehensive</li> </ul>	
(CINAHL,	searching Week 5 & 6)	
PubMed &	3 11 1 11 1	
TRIP)	Optional:	
Group Search	Listen to podcast – Does Perfect Skin Really Exist (35min)	
& Resource	https://podcasts.apple.com/us/podcast/does-perfect-skin-really-	
Critical	exist/id1566425638?i=1000526567233	
Appraisal		
Activity	Watch Recorded Webinar New Media, New Advocacy: How Racial Bias	
_	Is Being Tackled In Medicine (October 2021) (about 1 hour)	
	https://www.nnlm.gov/training/class/new-media-new-advocacy-how-	
	racial-bias-being-tackled-medicine	

# **WEEK OFF May 28**

Week 4

# Systematic Reviews and Other Evidence Syntheses

- Evidence synthesis methods
- Steps in a systematic review

Synchronous session, June 4:

- Types of systematic reviews
- Other evidence synthesis methods
- Steps in a systematic review (review)
- Methodologica I standards and reporting guidelines (Cochrane, JBI, PRISMA)
- Data management tools

Watch: Yale Systematic Searches Videos

Part 1: Introduction (7:40) - https://library.medicine.yale.edu/tutorials/948

Part 2: Conducting a systematic review (11:40) - https://library.medicine.yale.edu/tutorials/980

#### Browse:

Dalhousie Libraries' Systematic Review LibGuide: http://dal.ca.libguides.com/systematicreviews

Take a close read: "What is a Systematic Review?":
 <a href="https://dal.ca.libguides.com/systematicreviews/systematicreviewresources">https://dal.ca.libguides.com/systematicreviews/systematicreviewresources</a>
 es

#### Readings

Read: Rethlefsen, M. L., Murad, M. H., & Livingston, E. H. (2014). Engaging medical librarians to improve the quality of review articles. *JAMA*, *312*(10), 999–1000. <a href="https://doi.org/10.1001/jama.2014.7969">https://doi.org/10.1001/jama.2014.7969</a>

Read: Greenhalgh, T., Thorne, S., & Malterud, K. (2018). Time to challenge the spurious hierarchy of systematic over narrative reviews? *European Journal of Clinical Investigation*, 48(6), e12931. <a href="https://doi.org/10.1111/eci.12931">https://doi.org/10.1111/eci.12931</a>

Quick Read/Skim: Munn, Z., Stern, C., Aromataris, E., Lockwood, C., & Jordan, Z. (2018). What kind of systematic review should I conduct? A proposed typology and guidance for systematic reviewers in the medical and health sciences. *BMC Medical Research Methodology*, *18*(1), 5. https://doi.org/10.1186/s12874-017-0468-4

Quick Read/Skim: Munn, Z., Peters, M. D. J., Stern, C., Tufanaru, C., McArthur, A., & Aromataris, E. (2018). Systematic review or scoping review? Guidance for authors when choosing between a systematic or scoping review approach. *BMC Medical Research Methodology*, *18*(1), 143. <a href="https://doi.org/10.1186/s12874-018-0611-x">https://doi.org/10.1186/s12874-018-0611-x</a>

**Have fun with:** Synthesis Labyrinth: Racing the Outbreak (Queen's University) - https://queensu.qualtrics.com/jfe/form/SV\_0J7vfsPs7oNlQmq

Create an account in Covidence using your Dal email:

https://www.covidence.org/

Optional: play around with the Demo Review

## Important resources:

- JBI Manual for Evidence Synthesis
- Cochrane Handbook for Systematic Reviews of Interventions
- Preferred Reporting Items for Systematic reviews and Meta-Analyses (PRISMA)
- PRISMA-ScR (for Scoping Reviews)

Search
Assignment
Part 1
(MEDLINE
Search)
assigned

Reflection 1 due

Lab 2 due

#### Week 5

# Searching for Health Information, Part 2: Complex Search Strategies

- Vertical, multiline searching using subject headings and databasespecific syntax (Ovid MEDLINE)
- Why it's necessary for comprehensiv e searches that prioritize sensitivity, transparency and reproducibility

# Synchronous session, June 11:

- Searching with subject headings and other field tags
- Advanced
   Search
   techniques
   such as
   proximity and
   truncation in
   Ovid
   MEDLINE
- Saving, editing, retrieving, and sharing searches and results in Ovid MEDLINE

Week 6

**Browse:** Searching the Literature: A Guide to Comprehensive Searching in the Health Sciences (University of Toronto Libraries) -

https://guides.library.utoronto.ca/comprehensivesearching

- Take a close read:
  - Advanced Lit Searching Cheat Sheet <u>https://guides.library.utoronto.ca/ld.php?content\_id=28564774</u>
  - Precision vs. Sensitivity
     https://guides.library.utoronto.ca/c.php?g=577919&p=4304403

#### Complete this Module:

The Essentials of Conducting Systematic Reviews – Module 4: Searching for Eligible Studies (Queen's University) -

https://healthsci.queensu.ca/sites/opdes/files/modules/essentials-conducting-systematic-reviews-M4/#/

 Especially Lesson 3: Developing Comprehensive Search Strategies and Lesson 4: Exporting and Managing Search Results

#### **Required Reading**

- Read: Anderson, P. F., Capellari, E., Haines, K., Hansen, S., James, L., MacEachern, M., Rana, G. K., Saylor, K., & Townsend, W. A. (2022, September 9). <u>Sensitive search terms in systematic searches</u>. University of Michigan Deep Blue. <a href="https://doi.org/10.7302/6408">https://doi.org/10.7302/6408</a>
  - Optional: If you're interested in exploring this topic further, watch this webinar (1h25min): Language matters: Handling tough terms in systematic searching https://guides.lib.umich.edu/TaubmanTalks/ToughTerms

**Important resource:** Ovid MEDLINE 2025 Database Guide - <a href="https://ospguides.ovid.com/OSPguides/medline.htm">https://ospguides.ovid.com/OSPguides/medline.htm</a>

Required Reading

Search Assignment

Searching for Health Information, Part 3: The Art of Search	Read: McGowan, J., Sampson, M., Salzwedel, D. M., Cogo, E., Foerster, V., & Lefebvre, C. (2016). PRESS peer review of electronic search strategies: 2015 guideline statement. Journal of Clinical Epidemiology, 75, 40–46. https://doi.org/10.1016/j.jclinepi.2016.01.021	Part 2 (Peer Review) assigned
<ul> <li>Advanced search tips, tricks, and troubleshootin g</li> <li>Search refinement</li> <li>Reproducibility</li> <li>Peer review (PRESS)</li> </ul>	Read: Amanda Wanner: Using a "gold standard" set to test your search - <a href="https://expertsearching.wordpress.com/2016/12/13/using-a-gold-standard-set-to-test-your-search/">https://expertsearching.wordpress.com/2016/12/13/using-a-gold-standard-set-to-test-your-search/</a> Important resources: <ul> <li>ISSG Search Filter Resource</li> <li>University of Alberta Search Filters</li> </ul>	Search Assignment Part 1 (MEDLINE Search) FINAL DEADLINE
Synchronous session, June 18:		
<ul> <li>Balancing sensitivity vs. precision</li> <li>Using target articles</li> <li>Search filters</li> <li>Search testing and troubleshootin g</li> <li>Search critical appraisal exercise</li> <li>Introduction to the PRESS guideline for search peer review</li> <li>Week 7</li> </ul>	Watch: Dalhousie Libraries Search Translation Videos	Search
Search Translation, Documentation, and Reporting	MEDLINE to Embase (7:51) -  https://www.youtube.com/watch?v=gxk0JqbUauc&t=42s  MEDLINE to CINAHL (7:52) - https://www.youtube.com/watch?v=G8A4OBrq9IQ	Assignment Part 3 (Final Report) assigned
<ul> <li>Translation into</li> <li>Embase.com</li> <li>Translation into EBSCO CINAHL</li> </ul>	Important resource: Search Syntax Guide (Dalhousie Libraries) Required Reading	Reflection 2 assigned  Search Assignment Part 2 (Peer

Synchronous session, June 23:

- Review translation into **EBSCO** CINAHL
- Introduction to Scopus
- Search translation methods and tools
- Search documentation and reporting standards (PRISMA-S, searchRxiv)
- Process and file management

Week 8

searches

**Synchronous** 

session, July 9:

Read: Rethlefsen, M. L., Kirtley, S., Waffenschmidt, S., Ayala, A. P., Moher, D., Page, M. J., & Koffel, J. B.; PRISMA-S Group. (2021). PRISMA-S: An extension to the PRISMA statement for reporting literature searches in systematic reviews. Systematic Reviews, 10(1), 39. https://doi.org/10.1186/s13643-020-01542-z

Read: Submission guidelines: searchRxiv -

https://www.cabidigitallibrary.org/journal/searchrxiv/submission-guidelines

Review) FINAL DEADLINE

Discussion

Board 1

## **WEEK OFF July 2**

[try to finish your two database searches for the search assignment]

<b>Grey Literature</b>	https://gerstein.library.utoronto.ca/sites/default/public/articulate/identifying-and-	assigned
and	reporting-biases/#/	_
Supplementary		Reflection 2
Search Methods	Complete Grey Literature Module:	due
	https://gerstein.library.utoronto.ca/sites/default/public/articulate/grey-literature/#/	
Grey literature		
sources	Watch Searching Google Scholar for KS video:	
Bias in reviews	https://mediaspace.umn.edu/media/t/1_03n3hc2f	
(eg reporting		
bias,	Read: Saleh, A. A., Ratajeski, M. A., & Bertolet, M. (2014). Grey literature	
language)	searching for health sciences systematic reviews: A prospective study of time	
Why we do	spent and resources utilized. Evidence Based Library and Information Practice,	
supplementary	9(3), 28.	

agenda - This is why we need peer review. The Scholarly Kitchen.

anti-science-agenda-this-is-why-we-need-peer-review/ [blog]

Read: Green, D. (2025, April 17). Guest post: Preprints serve the anti-science

https://scholarlykitchen.sspnet.org/2025/04/17/guest-post-preprints-serve-the-

INFO 6750 2025 Summer, Version 1, 2025-04-21

Optional

Required:

**Complete** Reporting Bias Module:

<ul> <li>Advanced         Google search         methods</li> <li>Citation         searching         (backwards         and forwards)</li> <li>Practice         building a grey         literature         search plan         (group activity)</li> </ul>	Browse: Evaluating online information: use the CRAAP test.  https://library.carleton.ca/help/evaluating-online-information-use-crap-test	
Guest Panel: The Reference Interview and How to Establish Expertise		
Week 9	Required Post: Discussion board (for marks)	Lab 3 assigned
Artificial Intelligence	Required Reading	Presentations
Describe different types of generative AI search tools, specifically RAG search tools     Describe the some ethical, and environmental issues of the use of generative AI in general     Possible guest speaker - recording  Synchronous session, July 16:     Critically evaluate different	Read: Tay, A. (2025, March). <i>Testing AI academic search engines (1): Defining the tools</i> . Musings about librarianship. https://musingsaboutlibrarianship.blogspot.com/2025/03/testing-ai-academic-search-engines-1.htm  Read: Tay, A. (2025, February). <i>When is a hallucination not a hallucination? The role of implicit knowledge in RAG</i> . Musings about librarianship. https://musingsaboutlibrarianship.blogspot.com/2025/02/when-is-hallucination-not-hallucination.html  Read: Ghodgaonkar, I., & Staten, C. (2023, October 25). <i>The sleuth and the storyteller: The dynamic duo behind RAG</i> . Determined AI. https://www.determined.ai/blog/rag  Quick Read/Skim: Lieberum, J. L., Töws, M., Metzendorf, M. I., Heilmeyer, F., Siemens, W., Haverkamp, C., & Eisele-Metzger, A. (2025). Large language models for conducting systematic reviews: on the rise, but not yet ready for use–a scoping review. Journal of Clinical Epidemiology, 111746.  Quick Read/Skim: Bernard, N., Sagawa Jr, Y., Bier, N., Lihoreau, T., Pazart, L., & Tannou, T. (2025). Using artificial intelligence for systematic review: the example of elicit.;BMC Medical Research Methodology, 25(1), 75.  Quick Read/Skim: Cierco Jimenez, R., Lee, T., Rosillo, N. et al. Machine learning computational tools to assist the performance of systematic reviews: A	Search Assignment Part 3 (Final Report) due  Discussion Board 1 due

	generative AI	mapping review. BMC Med Res Methodol 22, 322 (2022).	
	Search Tools	https://doi.org/10.1186/s12874-022-01805-4	
	in terms of		
	function and	Watch: Weise, K., Bult, L., Surdam, J., & Dompor, R. (2025, March 17). How A.I.	
	results	companies are turning into energy companies [Video]. The New York Times.	
	Define	https://www.nytimes.com/video/business/energy-	
	different types	environment/100000010036088/how-ai-companies-are-turning-into-energy-	
	• •	companies.html (2min)	
	of generative	<u>•••••••••••</u> (=•••••)	
	Al Search	Browse/ Sweetman, Rebecca. (2023) Some Harm Considerations of Large	
	tools and	Language Models. [LibGuide Graphic]	
	describe some	ganga manana (an pana)	
	of the ethical,	Optional:	
	environmental,	•	
	and legal	Watch: For more information on the literature and how it works, watch the	
	issues	creator of the-literature.com describe how it	
•	Practice	works: <a href="https://www.youtube.com/watch?v=WQRVX8Rq9IA&amp;t=2s">https://www.youtube.com/watch?v=WQRVX8Rq9IA&amp;t=2s</a> (he actually	
	searching in	shows the code used)	
	different	, ,	
	generative Al	Algorithm bias in this quick activity by The Artefact Group	
	Search tools	· · · · · · · · · · · · · · · · · · ·	
	(group		
	worksheet)		
14/	1.40	B	<b>D</b> '
vvee	ek 10	Required	Discussion
۵.		Post: Discussion board (for marks)	board 2
	rk Week:		assigned
	earch	Required Readings	
	grity and	Read: Irfanullah, H. (2024, January 9). Trust in scholarly publishing. The	Lab 3 due
	olarly	Scholarly Kitchen. <a href="https://scholarlykitchen.sspnet.org/2024/01/09/trust-in-">https://scholarlykitchen.sspnet.org/2024/01/09/trust-in-</a>	
Con	nmunications	scholarly-publishing/ [blog]	Reflection 1
			and 2 FINAL
•	Integrity in	Read: Hagve, M. (2020, August 17). The money behind academic publishing.	DEADLINE
	health	Tidsskrift for Den norske legeforening.	
	research	https://tidsskriftet.no/en/2020/08/kronikk/money-behind-academic-publishing	
		[news]	
Svn	chronous		
-	sion, July 23:	Read: Magee, R. (2023, February 20). Elsevier parent's profit up 20 per cent last	
	Scholarly	year. Research Professional News.	
	•	https://www.researchprofessionalnews.com/rr-news-europe-infrastructure-2023-	
	publishing	2-elsevier-parent-s-profit-up-20-per-cent-last-year/ [news]	
	landscape		
	Guest Speaker	Predatory Publishers:	
	Papermills	Deads Florence C. A. O. Waster, F. H. (OCCC). But letter to souls Mill. (T	
•	Predatory	Read: Elmore, S. A., & Weston, E. H. (2020). Predatory Journals: What They	
	-		
	publishers	Are and How to Avoid Them. <i>Toxicologic pathology</i> , <i>48</i> (4), 607–610.	
	publishers Author profiles	Are and How to Avoid Them. <i>Toxicologic pathology</i> , <i>48</i> (4), 607–610. https://doi.org/10.1177/0192623320920209	
•	•	https://doi.org/10.1177/0192623320920209	
•	Author profiles		

Communication, Capitalism & Critique. Open Access Journal for a Global Sustainable Information Society, 15(2), 651-662

Browse/Skim: Retraction Watch. (n.d.). *The Retraction Watch Hijacked Journal Checker*. <a href="https://retractionwatch.com/the-retraction-watch-hijacked-journal-checker">https://retractionwatch.com/the-retraction-watch-hijacked-journal-checker</a>

Quick Read/Skim: Oviedo-García, M. Á. (2021). Journal citation reports and the definition of a predatory journal: The case of the Multidisciplinary Digital Publishing Institute (MDPI). Research evaluation, 30(3), 405-419a.

#### **Browse Checklists:**

- UofT: <a href="https://onesearch.library.utoronto.ca/copyright/predatory-publishing">https://onesearch.library.utoronto.ca/copyright/predatory-publishing</a>
- UofA: <a href="https://guides.library.ualberta.ca/where-to-publish/predatory-publications">https://guides.library.ualberta.ca/where-to-publish/predatory-publications</a>
- CARL: <a href="https://www.carl-abrc.ca/how-to-assess-a-journal/">https://www.carl-abrc.ca/how-to-assess-a-journal/</a>

#### Papermills:

Read: Van Noorden, R. (2023, November 6). *How big is science's fake-paper problem? Nature*. https://www.nature.com/articles/d41586-023-03464-x

Read: Tricky Goose Training. (n.d.). <u>Paper mills discussion primer</u> [PDF infographic].

Read: Abalkina, A., Aquarius, R., Bik, E., Bimler, D., Bishop, D., Byrne, J., Cabanac, G., Day, A., Labbé, C., & Wise, N. (2025, January 27). 'Stamp out paper mills' — science sleuths on how to fight fake research. Nature. https://www.nature.com/articles/d41586-025-00212-1

#### **Optional**

Else, H., & Van Noorden, R. (2021). The fight against fake-paper factories that churn out sham science. *Nature*, *591*(7851), 516–519. https://doi.org/10.1038/d41586-021-00733-5

Optional Browse 10 most cited retracted papers: <a href="https://retractionwatch.com/the-retraction-watch-leaderboard/top-10-most-highly-cited-retracted-papers/">https://retractionwatch.com/the-retraction-watch-leaderboard/top-10-most-highly-cited-retracted-papers/</a>

# Optional - Is MDPI a predatory publisher?

- This Scholarly Kitchen Summary (2020) does a good job outlining the growth of MDIP
- A Science article on the Web of Science (2023) about the delisting
- MDPI is now on the list by Predatory Reports, and IJERPH is listed below here (2023): <a href="https://predatoryreports.org/news/f/list-of-all-mdpi-predatory-publications">https://predatoryreports.org/news/f/list-of-all-mdpi-predatory-publications</a>

Here are some blogs about some of the issues with MDPI, and why it's being criticized lately by Predatory Reports: Overview of the issues and discussions about MDPI right now: https://predatoryreports.org/news/f/is-mdpi-a-predatory-publisher Peer review issues: https://predatoryreports.org/news/f/mdpi-peerreview-problem Self citation problems: https://predatoryreports.org/news/f/mdpi-selfcitation-problem MDPI has responded to these criticisms here by Predatory Reports The debate continues as research comes out and MDPI responds: Retraction Watch summary of a publication that assessed MDPI journals as 'predatory' retracted and replaced P. Crosetto Blog has a nice summary: https://paolocrosetto.wordpress.com/2021/04/12/is-mdpi-apredatory-publisher/ Week 11 **Required Readings** Final Read: Mueller, B. (2024, January 22). Top cancer center seeks to retract or Reflection Research Life correct dozens of studies. The New York Times. assianed Cycle, Data https://www.nytimes.com/2024/01/22/health/dana-farber-cancer-studies-Management, retractions.html Discussion 2 Open due Scholarship, and Quick Read/Skim: Freedman, L. P., Cockburn, I. M., & Simcoe, T. S. (2015, **Health Systems** June 9). The economics of reproducibility in preclinical research. PLOS Biology, Search 13(6), e1002165. https://doi.org/10.1371/journal.pbio.1002165 **Assignment** Part 3 (Final Preventing Erratum in: Freedman, L. P., Cockburn, I. M., & Simcoe, T. S. (2018, April 10). research Report) PLOS Biology, 16(4), e1002626. https://doi.org/10.1371/journal.pbio.1002626 **FINAL** waste **DEADLINE** Academic peer Quick Read/Skim: Goldacre, B., Drysdale, H., Dale, A., Milosevic, I., Slade, E., review Hartley, P., Marston, C., Powell-Smith, A., Heneghan, C., & Mahtani, K. R. **FINAL** Working with (2019). COMPare: A prospective cohort study correcting and monitoring 58 **DEADLINE** researchers misreported trials in real time. Trials, 20(1), 118. https://doi.org/10.1186/s13063-FOR LABS 1, and supporting 019-3173-2 2, 3 RDM Supporting Read: Donnelly, C. A., Boyd, I., Campbell, P., Craig, C., Vallance, P., Walport, policymakers M., Whitty, C. J. M., Woods, E., & Wormald, C. (2018). Four principles to make Supporting evidence synthesis more useful for policy. Nature, 558(7710), 361–364. learning health https://doi.org/10.1038/d41586-018-05414-4 systems Read: About Learning Health Systems (AHRQ) **Synchronous** session, July 30: Guest Speaker: health

research data		
management		
<ul> <li>Open</li> </ul>		
science/open		
scholarship		
<ul> <li>Research</li> </ul>		
waste and		
peer review		
Canada's		
current health		
research and		
health system		
landscape		
Week 12	Required	Final
	Complete: Self Assessment quiz MLA (no marks)	Reflection
The Future of	1	FINAL
Health	Watch: Recorded Videos	DEADLINE
Librarianship		2
	Required Reading:	Presentation
Leadership	Read: Martin, E. R. (2019). Social justice and the medical librarian. Journal of	s FINAL
and	the Medical Library Association: JMLA, 107(3), 291.	DEADLINE
management	the Medical Library Association. JiviLA, 107(5), 291.	
in health	Ontional Boading	Discussion
libraries	Optional Reading	Board 1 and
Health library	Quick Read/Skim one of the BMJ Christmas issues (these should be a bit fun):	2 FINAL
advocacy and	Smith, G. C., & Pell, J. P. (2003). Parachute use to prevent death and      section to the section of the	DEADLINE
professional	major trauma related to gravitational challenge: systematic review of	DEKDENTE
organizations	randomised controlled trials. Bmj, 327(7429), 1459-1461.	
	Lim, M. S., Hellard, M. E., & Aitken, C. K. (2005). The case of the	
development	disappearing teaspoons: longitudinal cohort study of the displacement of	
opportunities	teaspoons in an Australian research institute. BMJ, 331(7531), 1498-	
Guest speaker	1500.	
recordings		
Cunchron	Gajendragadkar, P. R., Moualed, D. J., Nicolson, P. L. R., Adjei, F. D.,	
Synchronous	Cakebread, H. E., Duehmke, R. M., Martin, C. A., & Sinha, A. (2022,	
session, August 6:	December 19). Taking the biscuit: Defining excessive quantities of free	
Individual	refreshments in a healthcare library. BMJ, 379, e072846.	
presentations	https://doi.org/10.1136/bmj-2022-072846	
	Oloman, J. (2022). <u>I tried to survive as a Doctor in The Sims</u>	
	4.BMJ, <i>379</i> .	

# **Supplementary Resources:**

- Taubman Library Talks: <a href="https://guides.lib.umich.edu/c.php?g=1222871&p=9285153">https://guides.lib.umich.edu/c.php?g=1222871&p=9285153</a>
- National Library of Medicine(NLM): Resources for hospital and health sciences librarians: https://www.nnlm.gov/guides/resources-hospitalhealth-sciences-libraries
- National Library of Medicine(NLM) Classes: <a href="https://www.nnlm.gov/training/schedule">https://www.nnlm.gov/training/schedule</a>

- Library Juice Academy: <a href="https://libraryjuiceacademy.com/">https://libraryjuiceacademy.com/</a>
- Therapeutics Initiative (UBC): <a href="https://www.ti.ubc.ca/continuing-education/events-webinars/">https://www.ti.ubc.ca/continuing-education/events-webinars/</a>
- Health Sciences Library Apprenticeship Program (2023) by NAHSL: <a href="https://sites.google.com/view/hslap-2023-publicaccess/home?authuser=0">https://sites.google.com/view/hslap-2023-publicaccess/home?authuser=0</a>

# Comprehensive Searching:

- UofT Comprehensive Searching guide: <a href="https://guides.library.utoronto.ca/c.php?g=577919&p=3987197">https://guides.library.utoronto.ca/c.php?g=577919&p=3987197</a>
- Queens Comprehensive Searching module: <a href="https://healthsci.queensu.ca/sites/opdes/files/modules/essentials-conducting-systematic-reviews-M4/#/">https://healthsci.queensu.ca/sites/opdes/files/modules/essentials-conducting-systematic-reviews-M4/#/</a>

## Associations:

- AHSL (Association of Academic Health Sciences Libraries)
- ACRL (Association of College & Research Libraries) & select Special Interest Groups
- <u>AHLA/ABSA</u> (Atlantic Health Libraries Association/Association des bibliothèques de la santé de l'Atlantique)
- <u>CHLA/ABSA</u> (Canadian Health Libraries Assocation)
- NAHSL (North Atlantic Health Sciences Library)