

Appendix for Needs Assessment Data

The needs assessment data is gathered from a range of data sources, including:

- Evaluation data from events (Comments from Evaluations)
- IMG Learning Needs (IMG Learning Needs 2021)
- Library searches (Analysis of physician literature searches_FINAL.pdf)
- Surveys of clinicians in Manitoba (File: Specialist Needs Assessment 2021.xls; CPD Needs Assessment.pdf)

Please see attached files for further details on each data source.

Comments from Evaluations – 2020/2021

Fridays at the University

Please provide suggestions for topics, activities and speakers for future events:

Fridays at the University: Endocrinology Day

05 - 05 Jun 2020

Fibromyalgia.

Would like hands on debriefing tutoring

OP talk - could be more focused on management/treatment

Re endocrine - Addison's, Cushings,

hypercalcemia workups and mgt

Medication deprescribing sleep

management Non pharmaceutical management

when to initiate pharma and how to prescribe.

Essentials of CBT

Encouraging speakers to concentrate more time on the clinical relevance of things (how do we manage patients in clinic) more useful than going too deep into pathophysio

women health

I would have preferred to see the presenter (video)

Diabetic foot ulcer +.../ Post covid care, Dr Embil

Indigenous Health Day

16 - 16 Oct 2020

for the speakers to present their materials.

more elder teaching on medicines and cancer care

Should have an indigenous day every year.

Chronic Pain Day

13 - 13 Nov 2020

Pneumococcal vaccine update

Dermatology Dr S Silver ENT Dr Gall

Centralized central referral sites for specialties (e.g. rheumatology, gastro,...) so fast distribution and access for patients.

ENT basics

Hematology day with some focus on hemochromatosis

any info on dermatologic conditions and management

More time for questions

cannabis prescribing

C9ovid treatment

OAT

Geriatric Day

04 - 04 Dec 2020

- Assessing for dementia vs delirium vs organic causes or impaired cognition
- Diabetes. Depression.
- Respiratory/Viral Illnesses
- Polypharmacy and Cannabis
- Autoimmune diseases! So often I'm first contact as a GP.
- A focused morning with sessions on RA, lupus, thyroid disorders etc would be lovely
- No suggestions
- Cardiac issues PMR and Lupus and MS
- tremors and oral health in primary care
- Dedicated talk about UTI
- management (asymptomatic and symptomatic) in geriatrics
- Deprescribing in geriatrics
- Choosing Wisely
- A lot More to be said about geriatrics!
- Medical ethics
- News in pharmacotherapy and Vaccines
- Treatment for Covid-19 and HIV and Herpes
- MORE ON OPIOIDS, BENZO'S, ZDRUGS AND DEPRESCRIBING
- More lecture from Dr Omealon for geriatric psychiatry as time was not enough to discuss all his
- lecture points
- New diabetes meds, anything MSK
- More sessions on sepsis in the elderly- ie treating uti's

Women's Health Day

15 - 15 Jan 2021

- PCOS Transitioning women on hormones from pre-menopausal to peri menopausal and menopausal stages.
- Treatment of OP after starting bisphosphonate.
- How often to recheck BMD, how long to leave them on the med,
- other med options and when to use them, specifics of other med options.
- STI rx review
- Menopause Rheumatoid arthritis
- Celiac disease
- Older male health
- CHF and new drugs
- Menopause Guidelines

Skills Workshops

- In future knowing the block for scenario, would be helpful to know for information prior to session, but great experience 😊
- Teenage conflicts, parenting, ADHD.
- Grounding for PESP.
- Obesity, smoke cessation.
- Foot debridement, wound debridement, IUD insertion
- Wound management
- Use of Emergency contraception and client selection

Other CPD Events

Cardiology Day 2020

25 - 25 Sep 2020

- Novel indications for NOACs in cardiovascular disease
- CHF treatment, newer meds
- Would be happy to hear more specialties topics applied to aging population
- Atrial fibrillation – anticoagulation
- Tools for showing patients the impact of Healthy Behavior
- Change on the likelihood of adverse outcomes / death
- A case-based approach to murmurs would be helpful.
- A topic re: physical activity and heart disease or role
- involve the many physiotherapists who attend.
- Managing cardiorenal syndrome
- Adult congenital heart diseases
- Heart diseases in pregnancy
- Peripheral arterial diseases, esp
- LEAD CCS
- Some topics were requiring more elaboration.
- anticoagulation guidelines or recommendations for afib and
- other commonly or not so commonly encountered
- patient populations with afib
- Arrhythmia review
- The patient who says "I feel my heart doing some weird skipped beat"
- How cardiac tissues are affected after a severe infection with COVID 19
- MORE Dr. Ducas! Such a great speaker- clear
- As always- CAN WE PLEASE HAVE SPEAKERS FOCUS ON information useful/needed for GPs/family doctors instead of certain specifics which tend to be too esoteric.
- Pharmacologic and electrical management of arrhythmias in the outpatient and ER settings
- Keep up to date with cardiology.
- Treatment of CHF
- Heparin bridging review/ clotting risks pre and post op when anticoag stopped (for various
- indications - afib, prior CVA, recent MI, valves bio and mechanical)

- More guided tutorial to facilitate breakout room logistics.

Bug Day 2020

20 - 20 Oct 2020

- I thought today covered so many unique fields of the covid-19 pandemic. even ones you wouldn't think of ie. NHL
- affect of mental health on perceived skin parasites/infection
- All viral infection and Covid treatment
- Less Background noise next time please
- Presenters and slides were excellent,
- A suggested for future topic is arthroplasty infection.
- aboriginals and health care
- It was good to touch on the mental health aspect! Future topics: Discuss outcomes and changes in health practice due to pandemics
- Nowhere near 50% of speakers were women.
- tick borne disease in Manitoba
- Dysautonomia specifically Postural Orthostatic Tachycardia Syndrome, Chronic Fatigue.
- And compression syndromes such as May Thurner Syndrome, Nut Cracker, Median Arcuate Ligament Syndrome.
- Women's health.
- Current events are most relatable and interesting, I love all the current topics and how we can take the knowledge
- Wished they were longer than 15min talks
- updates on Covid-19 in 1 year from now
- UPDATE IN A YEAR AS TO WHERE WE ARE WITH COVID19
- thought the topics were excellent, concise presentations of such an interesting variety of topics.
- allow to be a little longer (maybe 20 minutes?)
- An excellent learning experience. Speakers were great, topic relevant both professionally and personally for dealing with COVID pandemic.
- In 1 year it would be great to look back at COVID and see how it has impacted us and whether it was along the line of our models this year.
- very relevant to this year's events
- handout resources for patients
- A broad spectrum of topics from the medical to community on implications associated with the pandemic were discussed, this planning team did a great job!
- Nursing perspectives
- Thank you DR EMBIL
- Well balanced content from various parts of medicine, and social areas that are impacted by COVID.
- Maybe a discussion on advice for patients that are homeless or sex workers during the Pandemic
- i wish the speakers had more time, sometimes I felt they were rushing through the presentations and felt they had more to say but ran out of time.
- My first Bug day - COVID-19 obviously an important topic right now, I am looking forward to future years to see what a "normal" bug day content would look like
- It would be nice to have more women on your panel.

- Your choices are tops
- Would like more emphasis on the disease and treatment
- this was a fantastic day,
- probably one of the most valuable conferences i've attended in my 6 years of residency. thank you very much!
- Case studies would have been helpful
- long term effects of COVID: physically, socially, mentally
- does PPE wearing deter basic hygiene practice; PPE fatigue in health care workers
- Effect on school/daycare closures on Mental health/financial impact,
- sick calls in the workforce
- Inpatients contracting COVID- 19: how did this happen contact tracing in a pandemic benefits of proning as an intervention for patients on supplemental oxygen (not ventilated)
- did the use of PPE and increased cleaning decrease rates of hospital acquired CDI, CLABSI
- central line associated blood stream infection,
- hospital acquired pneumonia statistics of
- stroke/ACS during the pandemic
- info on cancer
- Having a transcript of the questions and/or answers. It would be a good reference to have.
- Please have more female speakers every year there seems to be much more men than women. Diversity creates a richer perspective.

MEDS Conference

30 Jan - 06 Feb 2021

- Update on antiplatelet/anticoagulant indications (ie looking at evidence for low dose rivaroxaban)
- I don't really have any suggestions because I always like the sessions at this conference
- every year! I just wanted to say thank you for going ahead with the MEDS conference this year because I was worried it wasn't going to happen due to COVID and that made me
- sad. It's my yearly reminder about evidence based medicine and always helps me not to just leave things as the status quo in my practice. So thanks again! This year was a great conference!
- Tom Gernstner and the correct approach to anaphylaxis; sorting out antistimines; ADHD meds
- Unsure about specifics at this time, but interested in women's health (big fan of UManitoba alumna, Dr. Jen Gunter).
- Osteoporosis treatments and duration of treatment.
- A follow up on the COVID vaccines, especially efficacy over time and regarding the new
- Variants
- What primary care clinicians need to know about immune checkpoint inhibitors and their possible long-term toxicities.
- a deeper dive into how to rescue patients from the dangers of bogus "allergy"
- histories. You could discuss the numbers of people harmed by the needless avoidance of betalactams (when such drugs would constitute standard of first-line care) vs. the number of people who are actually harmed by allergic reactions to beta-lactam antibiotics.
- I would have liked to listen to an in depth review at the evidence behind Vitamin D, colchicine and
- ivermectin for COVID prevention and/or tx. review/critique of current popular guidelines, such
- as the Diabetes Canada guidelines.

- There is a community of physicians who believe the beneficial effect of SSRIs is over reported due to pharma having a significant influence over how/which studies are published.
- They also believe society has a significant problem with over-prescribing of these medications.
- What is the quality of the research supporting the benefit of SSRI for the most common mental health conditions (depression/anxiety/PTSD/OCD)?
- Is there quality evidence demonstrating any risk (metabolic syndrome, etc)?
- common practices and procedures in acute care setting.
- Excellent event. Thank you!
- Prefer virtual event over in person. Saves time and money.
- I do wish that some topics (particularly the first) were of longer duration. I would prefer to be here longer and get more benefit than getting a shortened topics too,
- I get the pt that these are supposed to be fast and furious but I would prefer these to be alonger more in depth session. I also found the question and answer sessions slightly harder to
- follow jumping back and forth between two different sessions, I prefer to have sessions, then
- questions then move on.
- Slides before hand would also have been nice or even morning of. I like to make small notes to go with discussion but find I write a lot more to make it easy to follow later when I don't have
- slides. Slides in front of me means more listening with the odd note being made.
- AS for possible future sessions - deprescribing or meds that we should be moving away from based on evidence.
- Lab work and follow up that should be happening in pts with various health conditions, we often get little info on this as pharmacists making it hard to know if patients are on track.
- Great talks! More reviews of clinical guidelines and the level of evidence supporting the findings and relating this to actual clinical practice/patient centered care
- HIV & Hep C treatment update.
- More information on COVID-19 plz as more data will be available in the future.
- Meds for DM “. “. HTN betahistine, , gout treatment,
- how to get physician samples out of physician offices for pt safety reasons
- Not sure. Maybe advice on how to tackle physician-centric dogma?
- (Example 1: "Dr. X. said/ordered Y, so it has to be good/true!"
- Example 2: "I don't use/like order sets/protocols because they are 'cook book medicine' (re: BM in point form)"...so I'm going to shoot from the hip and write some random orders.
- Speaker- Dr Jen Gunter would be the dream get!
- I really enjoyed the "3 hot speakers, 3 hot topics" presentation. It was very practical and easy to follow along. I would love more presentations like that in the future as it was helpful and kept my interest well.
- Much of the content in some presentations is related to physician prescribing. I would appreciate if we could discuss more about how a pharmacist can apply the info, as I know that
- many pharmacists attend this conference.
- Always a great conference to attend. I have nothing to suggest.
- Multiple Sclerosis and transgender hormone therapy.
- Would love to see some pediatric content. Everyone shies away from peds content, yet a robust discussion around the literature (or lack thereof and the ethical implications of that) in peds would be very interesting.
- Updates on COVID-19
- Drugs in pediatrics

- Anticoagulation in the very old with documented AF ms, more hot topics
- STI
- Antiarrhythmics Atrial fibrillation
- More of the same.
- Excellent conference.
- Focusing on specific tips that will change practice would be helpful.
- There was some of that, but I felt there was a lot of in-between information before getting to the
- key points.
- More mental health stuff please.
- Mental illness refresher: antidepressants, antipsychotics; choice of therapy; switching therapies; cross-tapers and discontinuations; managing SEs.
- Neurological conditions (e.g., Parkinson's, epilepsy, etc)
- Bio stats review, example of picking apart a study
- Insulin pumps
- Ketamine and esketamine (clinics opening up in Canada)
- Osteoporosis-current evidence on treatments and duration
- Always interested in deprescribing and the competing demands from specialist and primary care perspectives.
- ADHD, anxiety, depression, pharmacological and nonpharmacological options anything new in nutrition, intermittent
- fasting, keto etc love to see these folks dissect the data.
- Oncology topics, hematology topics.
- HRT Dermatology- drugs for eczema, psoriasis Antidepressant drugs
- intermittent fasting & diabetes microbiome; probiotics
- Montori Guyatt Trish Rawn Zack Dumont Cait Sullivan Mark McConnell Roland Halil
- cost is a great discussion

IMG Learning Needs:

This list is a compilation of topics derived from the IMG Mentorship learning activities that may be used for CME purposes.

Common Themes as Follows:

- Substance use including Opioids and Benzodiazepines
- Procedures, such as Endotracheal Intubation
- IUD Insertions
- Mental Health and Suicide
- Fracture Management/Casting Course
- Acute Trauma Management
- Screening Guidelines
- Complex Patients
- Difficult Interviews/Conversations
- Guidelines
- Communications
- Leadership and Collaboration
- Eye Trauma
- Skin Disorders
- Pain Management
- End of Life
- Cannabis
- Foot ulcers
- Alcohol Use Disorder
- Benzodiazepines
- H pylori and testing
- Thyroid
- EKG Interpretation
- COVID-19 and pandemics



Literature Searches Requested by Fee-For-Service Physicians November 1, 2012 – November 30, 2018

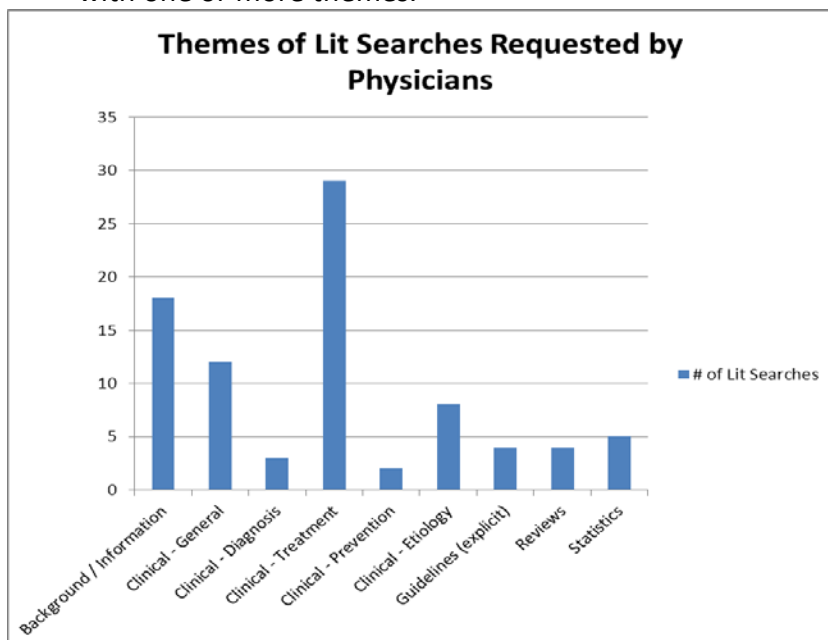
Background

Since September 2009, Manitoba’s Health Information and Knowledge Network (MHIKNET) (pronounced “my net”) has provided library services to staff of participating regional health authorities, staff of Manitoba Health, Seniors and Active Living, and fee-for-service physicians in Manitoba.

Literature Searches, March 1, 2009 – October 31, 2012

In November 2012, an analysis was done of literature searches conducted for fee-for-service physicians.

- From March 1, 2009 - October 31, 2012, 72 literature searches were conducted for 24 fee-for-service physicians. The actual usage may have been slightly higher, as there may have been variation in how information about the searches was collected and coded.
- The topics of these literature searches were coded into themes: background or information; clinical (general, diagnosis, treatment, prevention, etiology); guidelines (if they specifically indicated they were seeking guidelines); reviews; and statistics. Each search could be coded with one or more themes.



- The majority of searches (54) had a clinical focus, with the majority of those (29) seeking information on treatment.
- The second largest number of requests (18) were for background information.
- Four (4) requests were specifically for clinical practice guidelines.
- The searches were additionally coded into topic areas, with the majority pertaining to diseases (18) or mental health (16).

The full report is available on pages 14-16 of the [2012-2013 MHIKNET Annual Report](#).



Literature Searches, November 1, 2012 – November 30, 2018

Methods

MHIKNET librarians record all of their literature searches into a database which was queried to identify all literature searches requested by fee-for-service physicians. Note that searches that took less than 15 minutes to complete are not recorded in this database. Two librarians independently assigned themes and topics to each of the searches, then reconciled any differences through discussion.

Limitations of the Data

Please note that the coding used to document literature searches requested is intended for general information rather than an exhaustive or comprehensive analysis.

- Upon attempting to replicate the analysis from 2012, only 46 of the 72 literature searches were retrieved. Therefore, the data in the current time period may also be lower than actual, due to variation in data collection and coding.
- We intend to investigate data coding practices to ensure data accuracy going forward.

Literature Searches

- From November 1, 2013 through November 30, 2018, there were 49 literature searches requested by 36 fee-for-service physicians.
- In a number of months, no searches were requested. The table below depicts months when searches were requested.





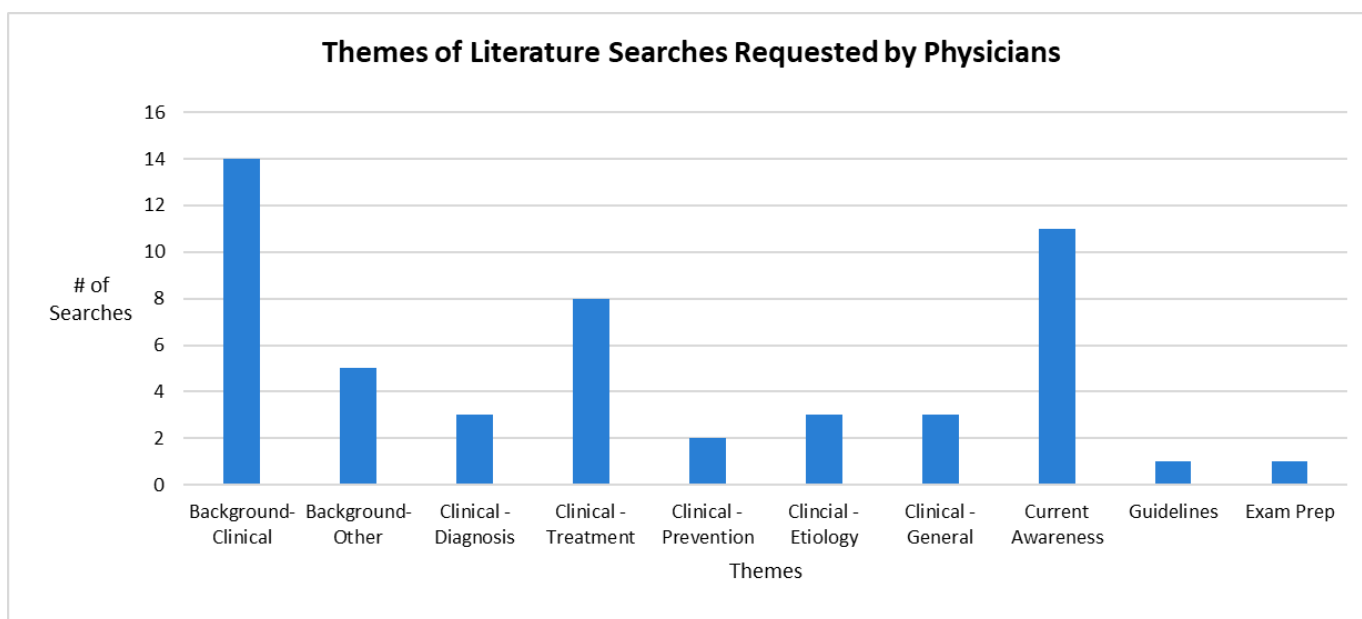
Literature Search Themes

The 49 literature searches were coded into themes, including: background (clinical); background (other); clinical (general, diagnosis, treatment, prevention, etiology); guidelines (if they specifically indicated they were seeking guidelines); exam preparation; and request to create a current awareness alert. Each search could be coded with one or more themes.

- Current awareness alerts are one of the core services offered by MHIKNET. Clients request specific topics, authors, and/or journals of interest to them, and librarians create customized searches on those parameters. Clients then receive an email every week with new references that have been published.
- Note that recording searches for current awareness did not commence until 2017.

The examination of the searches by themes revealed:

- Requests for literature searches were centred on three key themes:
 - Background information (clinical or other focus) (19),
 - Clinical topics relating to diagnosis, treatment, prevention, etiology or a combination of clinical aspects (clinical - general) (19)
 - Current awareness alerts (clinical or other focus) (11).
- Requests were primarily clinical in nature (33).

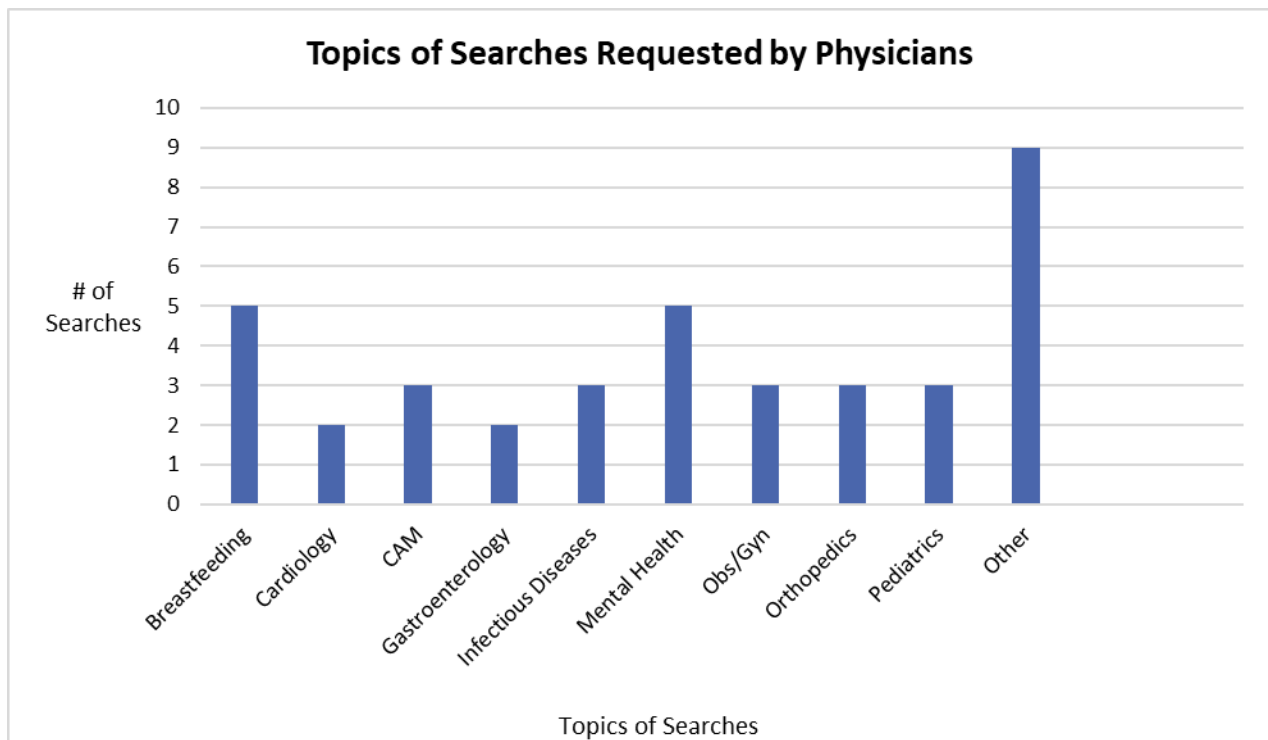




Literature Search Topics

Eleven of the literature searches were for creating or updating current awareness searches. The remaining 38 literature searches were coded into topic areas. If a topic was requested in two or more searches, it is indicated with its own heading in the table below. If a topic was only requested once, it was included within the “other” heading. Each search was assigned only one topic heading.

- The majority of literature searches pertained to breastfeeding (5) and mental health (5) or were for other topics that were only requested once (9).
 - Within the searches for mental health, the topics were varied, including mindfulness (2), cognitive behavior therapy (1), effect of cannabis on depression and anxiety (1), and depression (1).
- The topics included within the “other” subjects were highly varied, including addictions, Aboriginal health, cancer, exam preparation, research methods, etc.



Reference and Article Requests

Literature searches are not the only type of requests that physicians make, they can also contact librarians with general questions, and they can request full-text articles or resources. Anecdotally, there are requests from physicians for full-text clinical practice guidelines. Often these requests are for guidelines that physicians know about, but do not know how to find. Other times they are inquiries as to whether guidelines exist on a topic. This may demonstrate that some physicians could benefit from learning where to find clinical practice guidelines and how to search for them.



Summary

Despite potential limitations in our data set, several conclusions can be drawn about the information requests of physicians in Manitoba:

1. Physicians do not request a lot of literature searches. The ones they do request, however, tend to be clinical in nature.
2. Based on the number of current awareness alerts created, physicians have a need to stay up to date on new and current information. Exploring whether this is an unmet need or whether existing methods to stay up to date are meeting their needs, may be worthwhile.
3. Physicians request full-text clinical practice guidelines that they already know exist, therefore demonstrating an unmet need in their ability to locate these guidelines.