Evaluation of the Long-Term Impact of a Curriculum-Integrated Medical Information Literacy Program/S. Maranda, B. Harding, and L. Kinderman

Appendix 2: Post Program Survey Instrument

Demographics

1A. Please indicate your highest level of education prior to the M.D. degree:

- ☐ Undergraduate University
- ☐ Masters
- ☐ Ph.D. and more
- ☐ Other: _____

1B. Which residency program did you match to?

:_____

1C. How old are you? _____ years (please enter a whole number or leave blank)

1D. Please select one: ____Male ____ Female ____ Other

Attitudes and Behaviours

2. Please indicate the degree to which you agree with the following statements:
   Scale used for each: Strongly disagree – disagree – agree – strongly agree

a) I feel confident that I can formulate a searchable **clinical** question.

b) I feel confident that I can formulate a searchable **research** question.

c) I feel confident that I can perform a thorough literature search in a citation database such as Ovid Medline/PubMed.

d) I feel confident in locating **independent** drug information.

e) I feel confident in assessing the quality of information provided on a Web page.

f) I feel more confident now than at the beginning of medical school in my ability to locate reliable medical information.

g) I am more efficient in my searching for medical information because I know how to **choose** appropriate resources for my information needs.

h) The Medical Information Literacy sessions gave me the skills to **search** reliable medical information resources.

i) During clerkship I continued to use the information resources highlighted in the CARL, Fundamentals of Therapeutics and CE courses.

j) I found the Mini-scholar exercises (MSE) useful to continue to apply the EBM skills.

k) I usually found the evidence I needed for the MSE easily.

l) In your last MSE, which resource(s) did you use to locate information on your case?
_____

m) Did you receive feedback after completing a Mini Scholar Exercise (MSE)? Y ____ N _____

n) **If yes**, I usually found the feedback on the MSE useful

o) Did you receive specific feedback on the literature search portion of the MSE? Y ____ N _____

p) **If yes**, I usually found the feedback on the literature search useful

q) I intend to explore medical information resources available to me at the university where my residency will be located.

	Strongly disagree	disagree	agree	strongly agree
Staying at Queen's	○	○	○	○
Leaving Queen's	○	○	○	○

3. On average, how often did you access the following resources during clerkship? Select one frequency per type of resource:

	Never	Less than monthly	Monthly	Weekly	Daily
Reliable websites (e.g. Ontario practice guidelines, Society websites, etc.)					
Individually purchased resources (e.g UptoDate)					
Queen's Point of care resources (e.g., ACP					

Smart Medicine, BMJ Best Practice or Dynamed)					
e-books (e.g., Harrison's)					
e-journals					
The Cochrane Library					
Citation databases (e.g., Ovid Medline, Pubmed)					
Drug information resources (e.g., RxTx*, Micromedex)					
Citation management software (e.g. Refworks, Papers, Zotero)					

*formerly e-cps or e-therapeutics

4. During clerkship, and **excluding individually purchased resources**, which (if any) factors prevented you from accessing and using any information resource such as the ones in the list above? Please check all that apply:
   - ☐ Not Applicable (I had no difficulties)
   - ☐ Difficulty with remote access
   - ☐ Difficulty with mobile interface
   - ☐ Difficulty with search formulation
   - ☐ Difficulty with access to full text
   - ☐ Difficulty with access to librarian help
   - ☐ Lack of continued exposure (peers, residents, faculty did not access or discuss information resources)
   - ☐ Lack of role models (no guidance on the use of the resources in clinical practice)
   - ☐ Lack of time
   - ☐ Peer pressure (no one else is using them)
   - ☐ Uncertain about which resource to use
   - ☐ Uncertain about the reliability of the information found
   - ☐ Other (Please specify) _____

Knowledge: this is NOT a graded test, consider using "I don't know" or "I don't remember" instead of guessing.

5. You want to see if any rigorous studies have been conducted on the use of glucosamine to relieve arthritis or non-specific joint pain in the elderly.

A. In the following clinical question: In elderly patients (65+), how well does glucosamine, taken 3 times daily, relieve arthritis pain or other joint pain, compared to placebo? Which element of the question needs to be detailed further?

a) Patient
b) Intervention
c) Comparison
d) Outcome
e) I don't know

B. Please select the most appropriate database search history to answer this question:

□ 1. Glucosamine and placebo and Joint pain 2. Limit 1 to All Aged (65 & over) and Clinical trial, all
□ 1. Glucosamine 2. Arthritis or Joint pain 3. 1 and 2 4. Limit 3 to All Aged (65 & over) and Clinical trial, all
□ 1. Glucosamine 2. Arthritis and Joint pain 3. 1 and 2 4. Limit 3 to All Aged (65 & over) and Clinical trial, all
□ 1. Arthritis/drug therapy 2. All Aged, 65 and over 3. 1 and 2 4. Limit 3 to Clinical trial, all

6. To find recent peer-reviewed articles on the occurrence of AIDS in children, the most effective search would be performed in:

a) Cochrane Database of Systematic Reviews
b) ACP Journal Club
c) Medline/PubMed database
d) Journal of Acquired Immune Deficiency Syndromes
e) I don't know

7. At her next visit, your middle aged patient comes with a printout of a website on arthritis where it is recommended to use glucosamine as an effective alternative therapy. Which reputable, easy to understand and freely available patient education resource would you recommend to your patient?

a) Medlineplus
b) PubMed
c) Dynamed
d) RxTx (formerly known as e-cps)
e) I don't remember

8. It's New Year's Eve and your brother is complaining of a headache. You consider offering him acetaminophen (Tylenol) but you're unsure if the drug will react to the champagne he's drinking. Which online resource includes a drug interaction analysis tool?
    a) Micromedex 2.0
    b) Health Canada website
    c) Martindale: The Complete Drug Reference
    d) The Medical Letter
    e) I don't remember

9. Please select your answer for the following **True or False** statements:

    a) Medical Subject Headings (MeSH) are assigned to each article in Medline/PubMed using the most specific term for each concept discussed in the article. True / False / I don't remember

    b) MeSH are organized in a hierarchy to allow searchers to find articles on all the concepts of that Tree in one operation (explode). True / False / I don't remember

    c) Some MeSH are assigned as the focus of the article to restrict the number of headings assigned. True / False / I don't remember

    d) Since MeSH are only in American spelling, one must use truncation to improve the results of the search. True / False / I don't remember

    e) The Canadian drug tool, the Compendium of Pharmaceuticals and Specialties (CPS, renamed online to RxTx in 2015) contains independent information about drugs sold in Canada. True / False / I don't remember

    f) The Cochrane Database of Systematic Reviews contains the type of publication at the top of the evidence-based pyramid because Cochrane reviewers aim to prepare meta-analyses of quality individual studies. True / False / I don't remember

10. Is there anything else you'd like to tell us about the information literacy program in the medical curriculum: