



# **Building organizational capacity for evidence-informed decision making with an online skills assessment tool**

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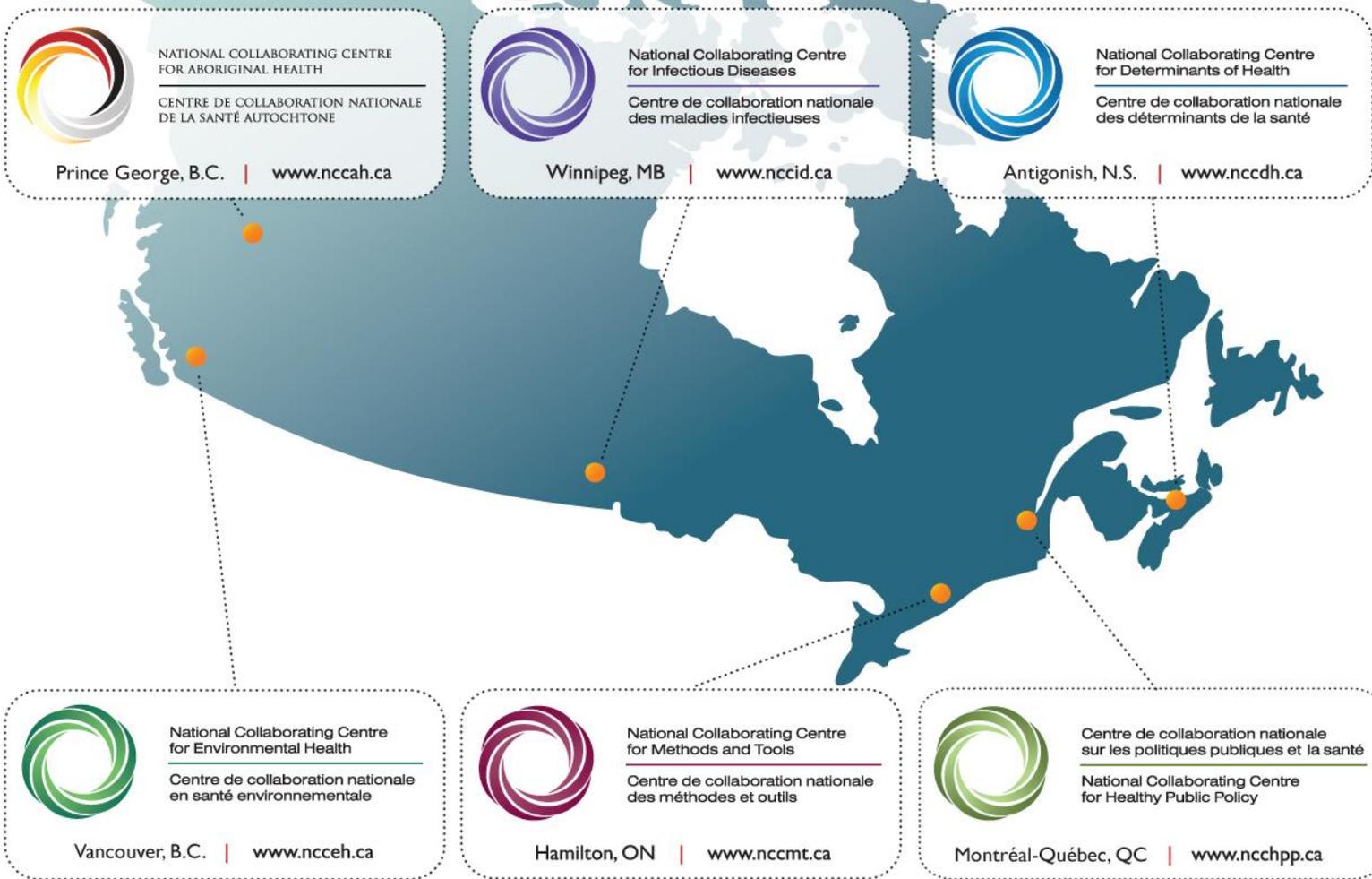
# Disclosure Statement

- I have no affiliation (financial or otherwise) with a pharmaceutical, medical device or communications organization.



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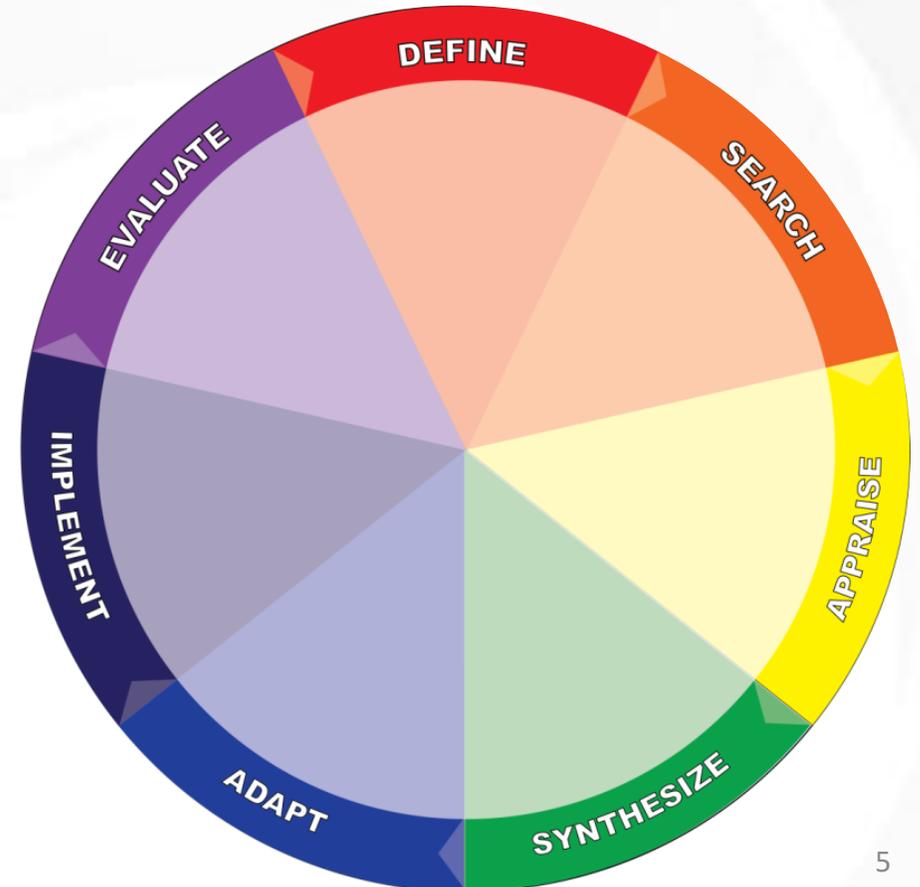
# What is Evidence-Informed Public Health?

The process of **distilling** and **disseminating** the best available evidence from research, context and experience, and using that evidence to **inform** and **improve** public health practice, programs and policy.





# Evidence-informed decision making (EIDM)





# The Online EIDM Skills Assessment

- Launched in 2017
- 20 multiple choice questions
- Receive a personalized report with suggested resources to build EIDM capacity
- Expansion to allow teams and / or groups within organizations to customize the assessment to their needs

## Online EIDM Skills Assessment

QUESTION 6 OF 20

6. What can a confidence interval tell you?

- a) heterogeneity
- b) sample size
- c) publication bias
- d) statistical significance
- e) I don't know



# Development Process





# Development Process





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Thank you for completing the Online EIDM Skills Assessment. Your final score was X/20.

The preceding multiple choice questions were designed to assess your knowledge and skills in finding and using research evidence in decision making. The following report summarizes [free, online learning opportunities](#) available to improve your score.

We also recommend starting with the online learning module *Introduction to EIDM*, or the abbreviated module, *EIDM Essentials*, to establish a solid foundation on which to build your capacity.



1. Defining the Research Question Using PICO

To learn more about defining a research question using PICO, we suggest you complete the *Searching for Research Evidence in Public Health* online learning module.



2. Searching for Research Evidence

To learn more about efficiently and effectively searching for research evidence, we suggest you complete the *Searching for Research Evidence in Public Health* online learning module. You can also watch the *Step 2 – Searching* video part of the *Evidence-informed Public Health* video series.



3. Critical Appraisal of Intervention Studies

To learn more about how to assess the quality of study methods, we suggest you complete the *Critical Appraisal of Intervention Studies* online learning module.



4. Applying the Results of a Study

To learn more about the factors to consider when adapting research evidence to local contexts, we suggest you complete the *Assessing the Applicability and Transferability of Evidence* online learning module.



5. Critical Appraisal of Systematic Reviews

To learn more about how to assess the quality of systematic reviews, we suggest you complete the *Critical Appraisal of Systematic Reviews* online learning module. For an introduction to different types of reviews, watch the *Types of Reviews What kind of review do we need?* [video](#) in the *Understanding Research Evidence* video series.



6-10. Interpreting Research Results

To learn more about how to interpret statistics, we suggest you view the *Understanding a Confidence Interval*, *How to Calculate an Odds Ratio* and *Relative Risk: it's easy to calculate and interpret* videos in the *Understanding Research Evidence* video series.





# Development Process





# Why use this tool?

- Developed by public health practitioners for public health practitioners
- Increasing emphasis on EIDM in public health practice
- The EIDM Skills Assessment can be used:
  - To identify EIDM capacity building and professional development needs of staff
  - To take action on identified professional development needs with suggested resources
  - During orientation for new staff to a public health organization



## Next Steps

- Formally launch the group functionality in 2019
- Explore developing sets of questions to assess different levels of EIDM competence



If you are interested in creating your own EIDM Skills Assessment for a group, please contact Claire Howarth.

Claire Howarth

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# Questions?