



National Collaborating Centre
for Methods and Tools

Centre de collaboration nationale
des méthodes et outils

Is Online Learning an Effective Way to Build Capacity for Evidence-Informed Decision Making?

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The Community Health Nurses of Canada
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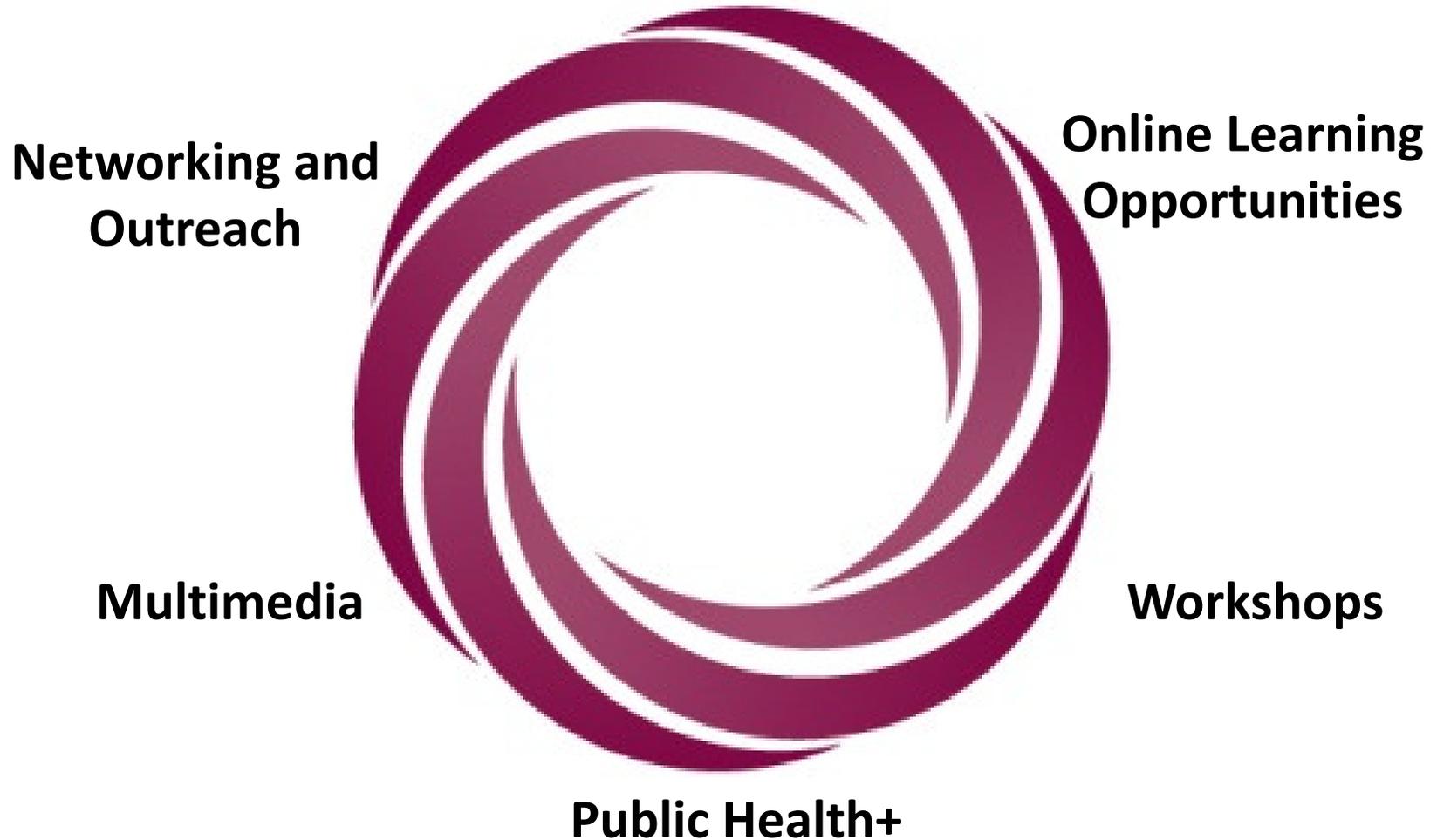
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NCCMT Products and Services

Registry of Methods and Tools



Online Learning with NCCMTC

Learning Centre

- **Online Learning Modules**
 - Suite of modules to support Evidence-Informed Public Health
- **Search Pyramids**
 - Free online tools to support and structure your search for research evidence



Accessing the Learning Centre

visited Getting started Latest headlines



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building capacity for
evidence-informed public health

Home

Resources

Professional Development

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[Learning Centre](#)

Free! Online learning opportunities available from NCCMT. **Modules. Search Pyramids**

[Workshops & Events](#)

NCCMT Workshops and events across Canada.

[Evidence-Informed Public Health \(EIPH\)](#)

Finding, using and sharing what works in public health.

[Helpful Links](#)

Read More



Who We Are

The National Collaborating Centre for Methods and Tools (NCCMT) is one of six [National Collaborating Centres for Public Health](#) in Canada. The NCCMT provides leadership and expertise in evidence-informed decision making to Canadian public health organizations.

Strengthening public health in Canada

We believe that using evidence to inform public health practice and policy in Canada can improve our public health system and, ultimately, the health of all Canadians. We help you to find and use innovative, high quality, up-to-date methods and tools for sharing what works in public health.

Health Evidence



The Health Evidence registry contains quality-rated systematic

Evidence-informed Public Health (EIPH)

Quick Links

- [Videos](#) (videos)
- [Methods and Tools](#)
- [Evidence-Informed Public Health](#)
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- NCCMT** @nccmt 21h
3 steps from @CIHR_IRSC to change practice: adapt evidence, assess barriers and select interventions. bit.ly/Y6t1XZ
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building **capacity** for
evidence-informed public health

NCCMT Learning Centre

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 and policy.



Put simply, it means finding, using and sharing what works in public health.

More information on the process is available in the [EIPH section of our website](#).

NCCMT's online learning opportunities are designed to support our seven-step process of Evidence-Informed Public Health.

Click on a module title to watch a short introductory video ... or just log in to get started now!

Login to NCMT to access resources in the Learning Centre

Log in

Not already Registered?

Registration is free and simple!

Register today to start receiving your benefits:

- Access to NCCMT's online modules
- Track your progress and certification
- Receive news about upcoming NCCMT learning opportunities
- And more!

Register Now

MODULES BY STEPS

Estimated Time
To Complete



Online Tool:

Learning Centre: Features

- Free access from anywhere
- Relevant to nurses in community health
- Track your progress
 - monitor your learning and progress through the online learning modules
 - self-paced
- Interactive
 - embedded learning objects
 - links to learning modules, online tools, glossary, references



More Features

- **Personalized report**
 - performance appraisal, college requirements, continuing education
- **Add in your own resources**
 - using the *Note Tool*
- **Group registration**
 - social interaction, community learning
 - use group notes



Who is using the Learning Centre?

Learning Centre was launched in June, 2012:

- Accessed by 3,230 learners
- Users worked in 66 countries across the world
- 57% work in Canada
- Various roles in public health; the majority are students (27%) and public health nurses (18%)

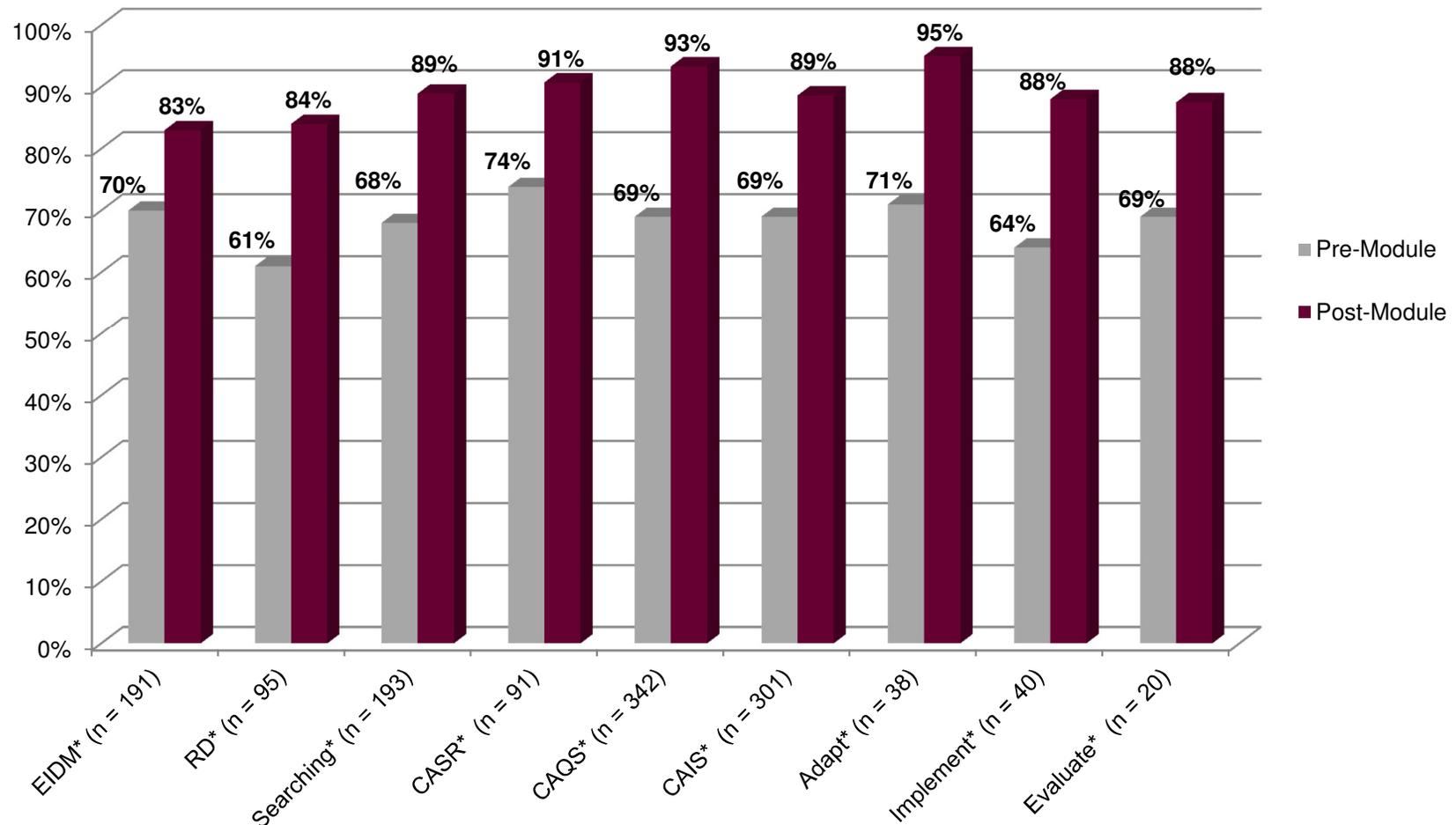


Online Learning Modules

	Estimated Time To Complete	DEFINE	SEARCH	APPRAISE	SYNTHESIZE	ADAPT	IMPLEMENT	EVALUATE
<u>Introduction to Evidence-Informed Decision Making</u>	4-5 hours	●	●	●	●	●	●	●
<u>Quantitative Research Designs 101</u>	4-5 hours	●	●					
<u>Searching for Research Evidence in Public Health</u>	5-6 hours		●					
<u>Critical Appraisal of Systematic Reviews</u>	6-8 hours			●	●			
<u>Critical Appraisal of Qualitative Studies</u>	6-8 hours			●	●			
<u>Critical Appraisal of Intervention Studies</u>	6-8 hours			●	●			
<u>Assessing the Applicability and Transferability of Evidence</u>	3-4 hours					●		
<u>Implementing KT Strategies in Public Health</u>	3-4 hours						●	
<u>Evaluating KT Strategies in Public Health</u>	3-4 hours							●

Module Outcomes: Knowledge

Changes in Knowledge from Pre- to Post- Module Completion



* P < 0.001

EIDM: Introduction to EIDM; RD: Quantitative Research Designs 101; Searching: Searching for Research Evidence in Public Health; CASR: Critical Appraisal of Systematic Reviews; CAQS: Critical Appraisal of Qualitative Studies; CAIS: Critical Appraisal of Intervention Studies; Adapt: Assessing the Applicability and Transferability of Evidence; Implement: Implementing KT Strategies in Public Health; Evaluate: Evaluating KT Strategies in Public Health

Additional Module Outcomes

- Changes in self-efficacy
- Over 50% of learners:
 - intend to complete other modules offered by NCCMT
 - will recommend this series of NCCMT online modules to a colleague
- Over 80% of learners agree or strongly agree that the:
 - modules are easy to access
 - modules are easy to navigate
 - modules are easy to understand
 - online format was an effective learning methods



Search Pyramids

A faster, more efficient way to find high quality research evidence

- Developed to help public health professionals efficiently search for research evidence in which they can have confidence
- Designed to be used in conjunction with the Searching online learning module



Search Pyramids: Topics

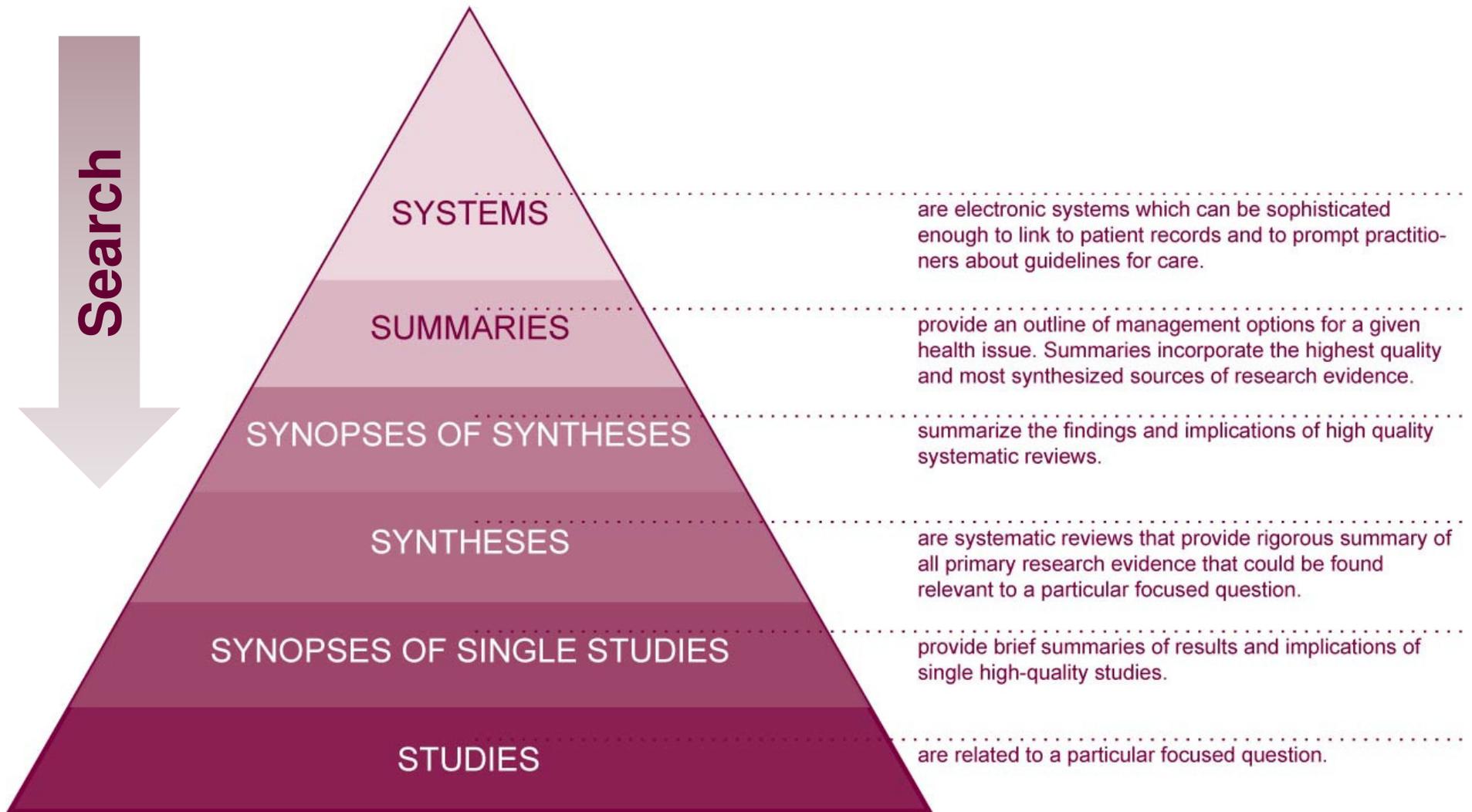
One pyramid for General Public Health

Six topic specific pyramids

- Injury Prevention
- Health Communication and Social Media
- Mental Health
- Environmental Health
- Healthy Habits (Adults)
- Healthy Habits (Children)



Search Pyramids: 6S Pyramid



Search Pyramids: Outcomes

- Accessed by 715 learners
- Learners are accessing multiple pyramids
- Learners are re-accessing pyramids



Search Pyramids: Limitations

Not all sites are evaluated for quality

Environmental health
6S PYRAMID

Systems
Summaries
Synopses of Syntheses
Syntheses
Synopses of Studies
Studies

Summaries
Pre-Appraised

National Guidelines Clearinghouse (NGG)
<http://guideline.gov>

The National Guidelines Clearinghouse (NGC) database contains evidence-based clinical practice guidelines with structured, standardized summaries.

Warning:
Resources below this line may contain information that has not been pre-appraised OR the appraisal process may not be rigorous or transparent. Therefore, **you must do your own critical appraisal** of information you find on these sites.

Public Health Resources on NHS Evidence
<https://www.evidence.nhs.uk/nhs-evidence-content/public-health>

NHS Evidence covers a wide range of information including: guidance, systematic reviews of research, implementation tools and practical examples.

Personal Note Group Note

Edit Save

Other Resources About the 6S Pyramid How to use this Tool



Summary of Findings

Learning Centre addresses barriers of time, limited resources and lack of skills by building capacity in a cost effective way.

Effective resources to:

- build KT capacity
- increase learner knowledge
- increase learner self-efficacy





For more information about the
National Collaborating Centre
for Methods and Tools:

NCCMT website www.nccmt.ca

Contact: nccmt@mcmaster.ca