



METHODS AND TOOLS FOR KNOWLEDGE TRANSLATION IN PUBLIC HEALTH

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National Collaborating Centre
for Methods and Tools

Centre de collaboration nationale
des méthodes et outils

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One of six centres funded by the Public Health Agency of Canada

Different topics

Different institutions

Collective projects





National Collaborating Centres for Public Health

- Mission: to translate existing and new evidence produced by academics and researchers in public health.
- Build on existing strengths, foster linkages across various sectors of public health community to enhance efficiency and effectiveness of public health system.
- Work as a network which supports knowledge demands around public health goals and priorities



Methods and tools for what?



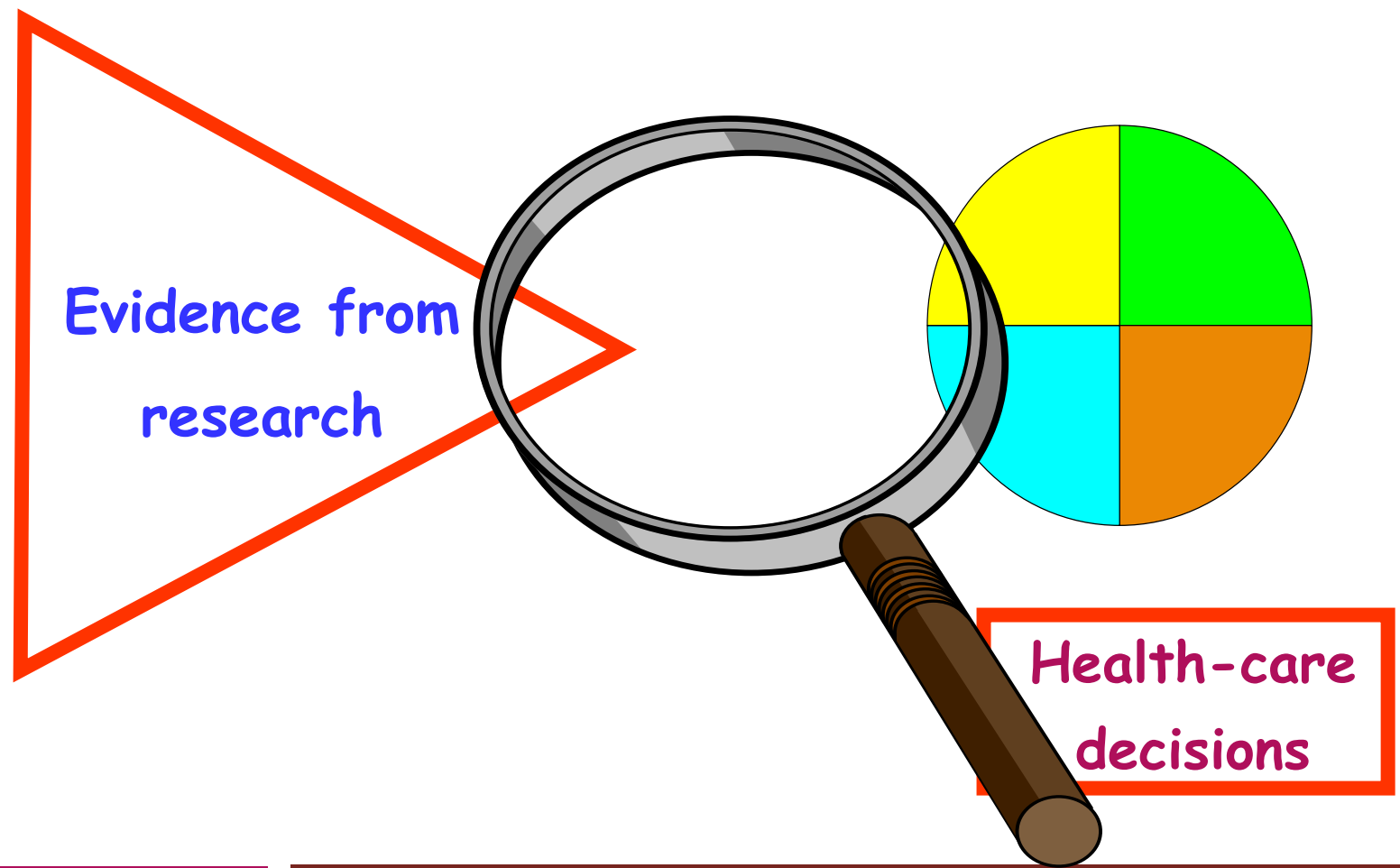


Methods and Tools for what?

- ▣ **K**nowledge
 - ▣ **S**ynthesis
 - ▣ **T**ranslation and
 - ▣ **E**xchange
- (KSTE)



Evidence Transfer Gap



Evidence from
research

Health-care
decisions



Evidence of Gap in Acute and Primary Care

- **Consistent evidence of failure to translate research findings into clinical practice**
- **30-40% patients do not get treatments of proven effectiveness**
- **20-25% patients get care that is not needed or potentially harmful**

Schuster, McGlynn, Brook (1998). *Milbank Memorial Quarterly*

Grol R (2001). *Med Care*





Steps of Evidence-Informed Decision-Making

- 1. Formulate an answerable question**
- 2. Conduct an efficient literature search**
- 3. Critically appraise the evidence**
- 4. Apply the results in health care decisions**
- 5. Evaluate the outcome**



1. Formulate a Question

Capacity Development for all stages of EIDM

- ▣ **on-line courses**
- ▣ **“tool kit” for organizations to move forward**



2. Search

1. Search Strategy

**93 English terms in literature for KTE
-tested against hand searching
- to be included in PubMed**

2. support enhancements of

www.health-evidence.ca

3. support reviews by

Effective Public Health Practice Project

<http://www.myhamilton.ca/myhamilton/CityandGovernment/HealthandSocialServices/Research/EPHPP/>



3. Critically Appraise Article

Compendium of critical appraisal tools

- Recommended tools for different types of questions/studies

www.nccmt.ca



4. Apply Decision to Health-Care Issue

Registry of methods and tools

Applicability and transferability tool



Can I Use This Evidence in my Program Decision?

Applicability

- ✓ **Political acceptability or leverage**
- ✓ **Social acceptability**
- ✓ **Resources**
- ✓ **Organizational expertise and capacity**



Can I Use This Evidence in my Program Decision?

Transferability

- ✓ **Magnitude of the health issue**
- ✓ **Magnitude of potential reach**
- ✓ **Target population characteristics**



5. Evaluate outcome

Registry of methods and tools

-wide search

-quality assessed



Other tools

Public Health+

Research gap analysis for CIHR

Build networks

Knowledge management system

background paper

conference (November 3 & 4, 2008)

Exploring Culture, Content, Process and Technology

Visit our different websites

Our site

- NCCPH : www.ncchpp.ca
- **NCC Program** : www.nccph.ca

The other Centres

- **NCC Health Determinants:** www.nccdh.ca
- **NCC Infectious Disease :** www.nccid.ca
- **CCN Methods and Tools :** www.nccmt.ca
- **CCN Aboriginal Health :** www.nccah.ca
- **CCN Environmental Health:** www.ncceh.ca



Questions?

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