

Tailoring Your Knowledge Translation Strategies for Your Intended Users

KTDRR's 2023 Virtual KT Conference

November 6, 8, and 9

Center on
**KNOWLEDGE TRANSLATION FOR
DISABILITY & REHABILITATION RESEARCH**



McGill
UNIVERSITY

Introduction to Knowledge Brokering in Canadian Rehabilitation Settings

Dina Gaid, PhD (Rehab Sci)

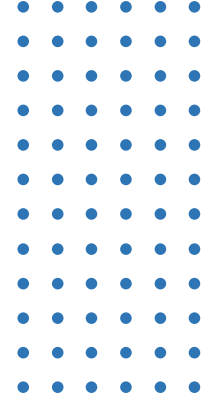
November 6, 2023



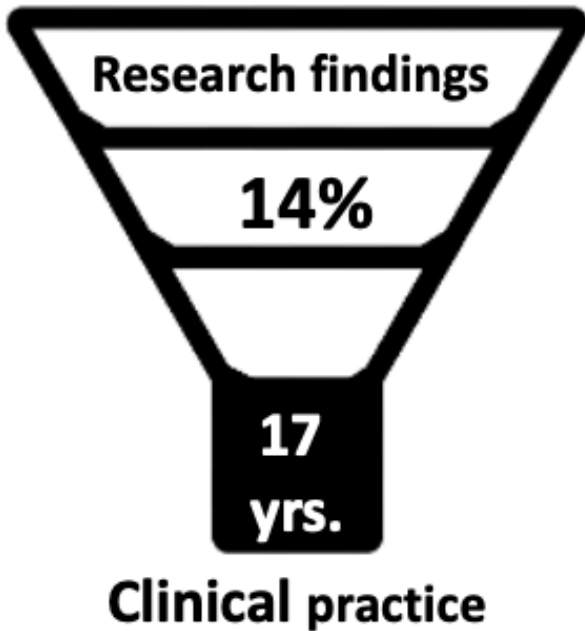
Learning Outcomes



1. Research-Practice Gap
2. KT Interventions
3. Define KB
4. KB Profile
5. KB Roles
6. KB Challenges
7. KB Training



Major Research-Practice Gap!



Negative Consequences

- 30%–45% of patients do not receive care based on research evidence.
- 50% of healthcare interventions are not based on the research evidence.
- 20%–25% of interventions are not needed or are potentially harmful.
- 44% of **PTs** use research evidence to inform their practice.

Comparative Effectiveness of Knowledge Translation Interventions in Professional Practice



Passive

- Educational meetings
 - Educational materials
- } 2%–5%

Active

- Audit and feedback
 - Educational outreach
 - Interactive meetings
- } 5%–10%
- Intermediary agents, up to 12%



What is the most effective KT interventions?

Knowledge Brokers (KBs)

“One of the human forces which bring people together to build relationships, uncover needs, share ideas and evidence aiming to improve job productivity”



What are the roles that KB plays?

Why Knowledge Brokers?

Widely Used

- KBs have been described in various fields as well as in different contexts.

Effective

- KBs have been shown to be effective in changing practitioners' behavior change in many healthcare sectors, including rehabilitation.

Various Roles



Information
manager



Linking
Agent



Building
Capacity



Facilitator



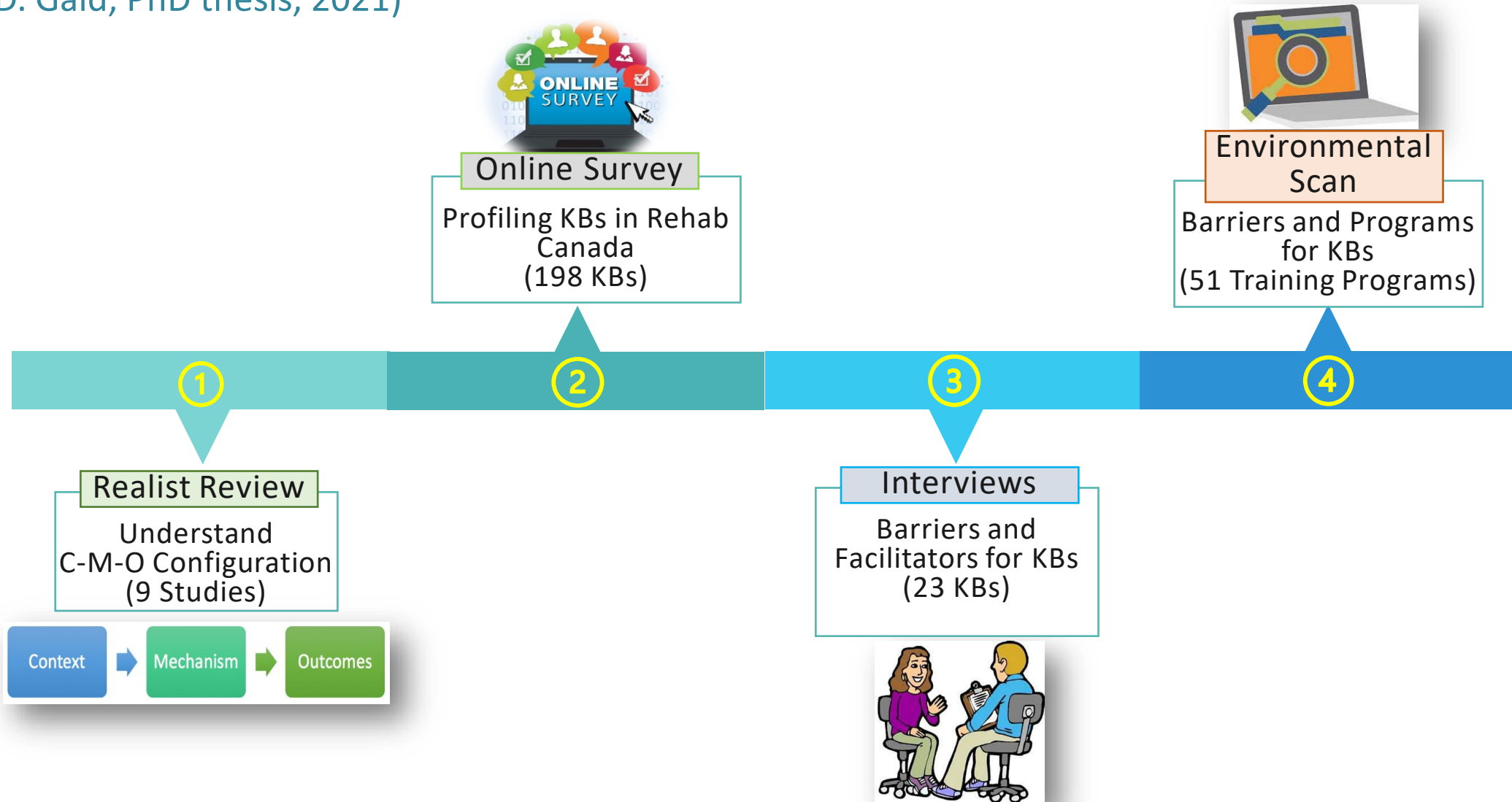
Evaluator

KB Knowledge Gaps in Rehabilitation



Research Methodology

(D. Gaid, PhD thesis, 2021)



KB Profile



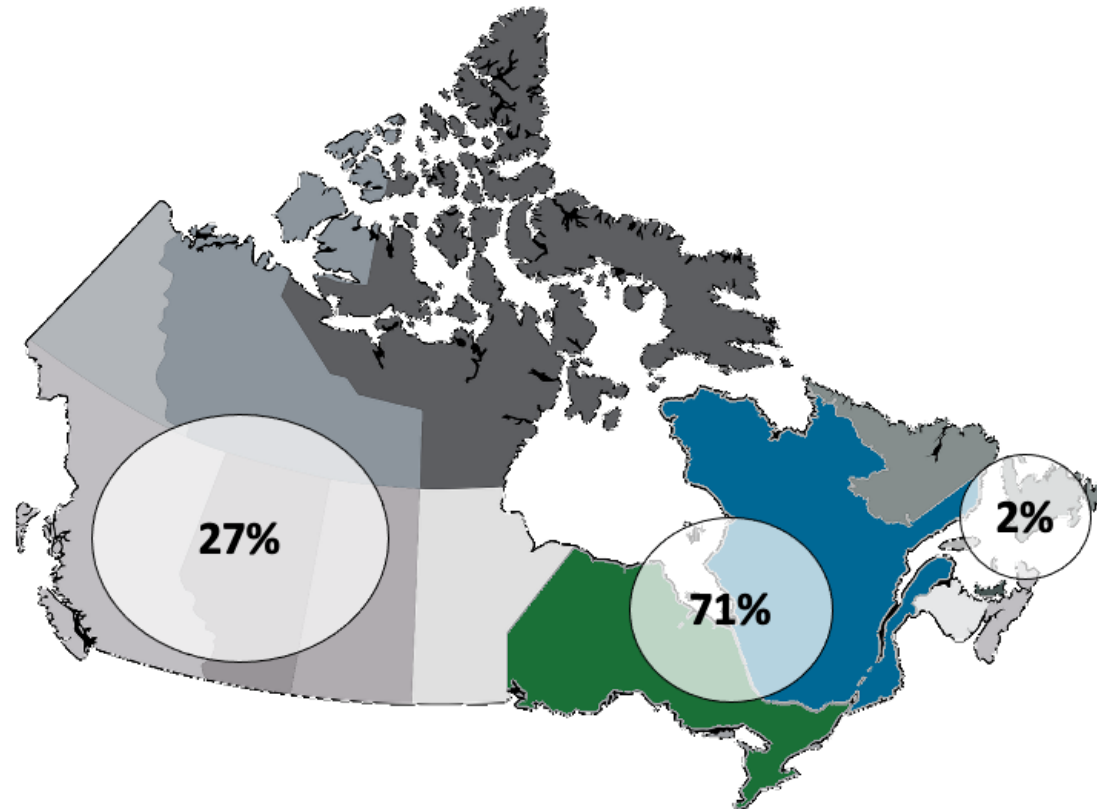
KB Roles

KB Challenges

KB Training

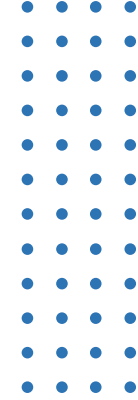


Sociodemographic Characteristics





Professional Characteristics - Skills -



1. Interpersonal Skills

Trustworthy, credible, creative, good listener, flexible, enthusiastic.

2. Communication Skills

Strong oral and written communication skills, active listener.

3. Research Skills

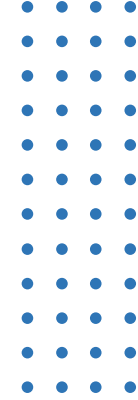
Aware of the best sources of evidence, able to gather and critically appraise the research evidence.

4. Mediation Skills

Able to build effective relationships, encourage collaboration, identify the common goals.

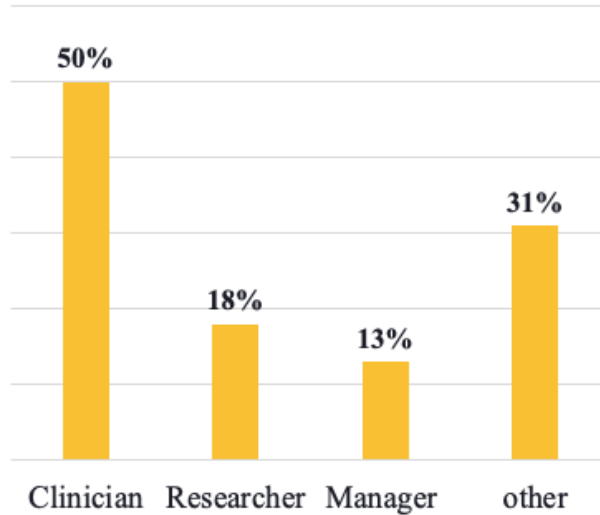


Professional Characteristics - Profession -

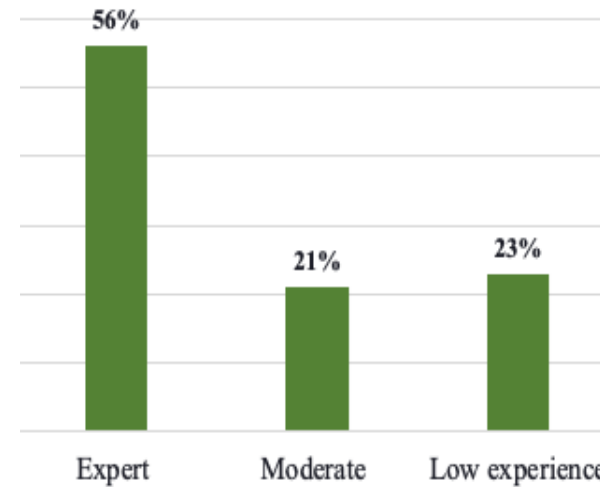


KBs are usually ?
Many KBs are experienced clinicians.

Profession



Clinical Experience



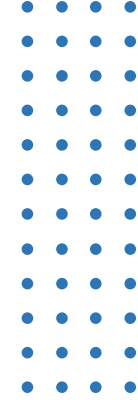


Professional Characteristics

- Titles -

Several titles used interchangeably to refer to KBs

- Physiotherapist
- Occupational therapist
- Knowledge mobilization specialist
- Research coordinator
- Professional practice lead
- Clinician champion
- Clinical educator

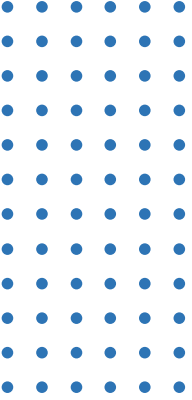


KB Profile

KB Roles



Work Activities



KB Challenges

KB Training



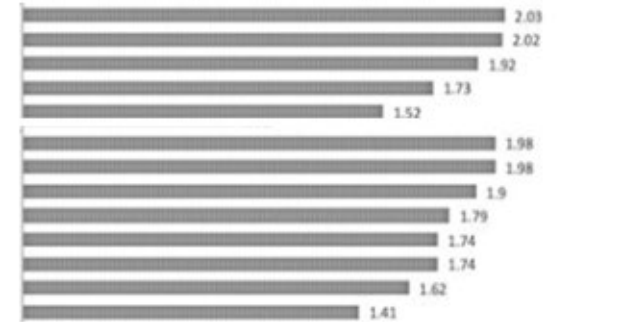
Roles

Weighted Average

Tasks

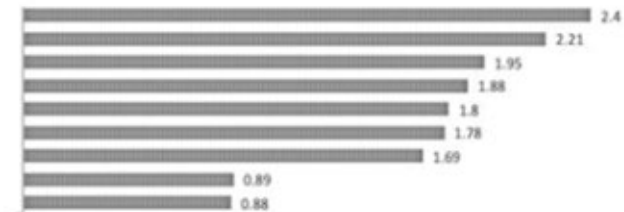
Linking Agent

1.84



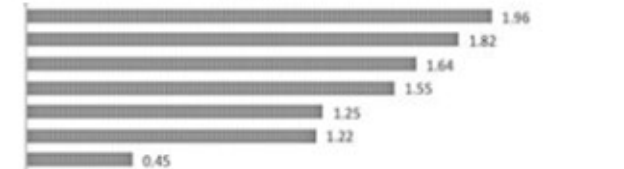
Capacity Builder

1.76



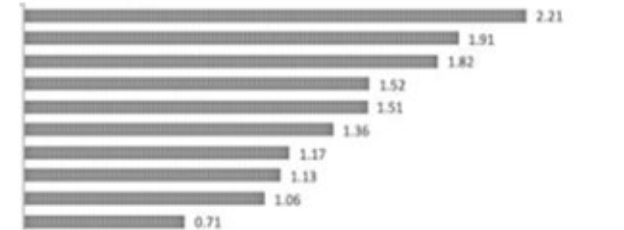
Information Manager

1.71



Facilitator

1.41



Evaluator

1.32

KB Profile

KB Roles

KB Challenges



KB Training



Enablers/Barriers



■ ● ▲

- Skillsets
- Attributes: motivation, flexibility, confident
- Insider
- Constant networking
- Awareness of stakeholders' needs
- Access to resources
- Access to information by networking with stakeholders

Enablers

■ ● ▲

- Lack of time
- Lack of financial support
- No incentives
- Need training
- Lack of awareness of existing KBs-related training opportunities
- No evaluation for KBs performance
- Need creating a provincial or national community of practice (CoP) for KBs

Barriers

KB Profile

KB Roles

KB Challenges

KB Training

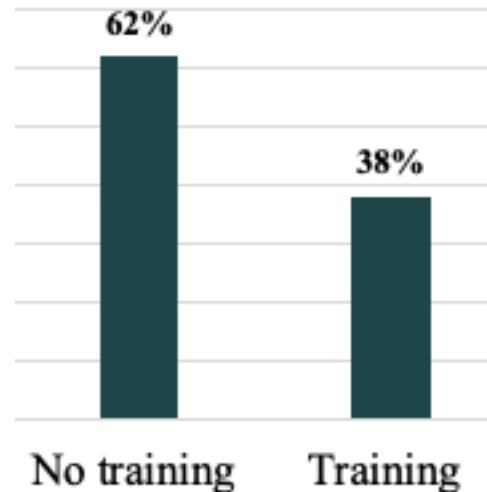


KB Training

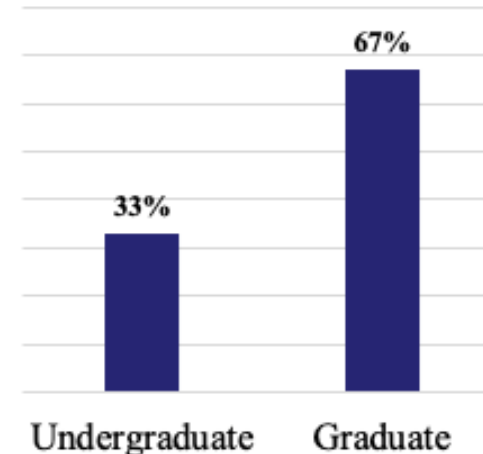
I have to get a certificate in KT to be a KB 

Few KBs received formal training, while many had higher education credentials.

Training



Education



KB Profile

KB Roles

KB Challenges

KB Training

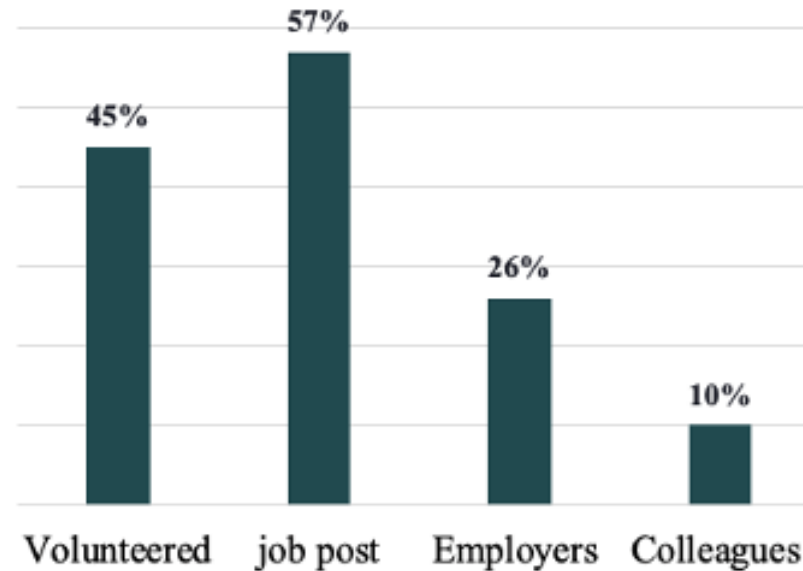


KB Training (cont'd)

How can you start working as a KB 

KBs perform the brokering role voluntarily.
→ KBs are motivated individuals.

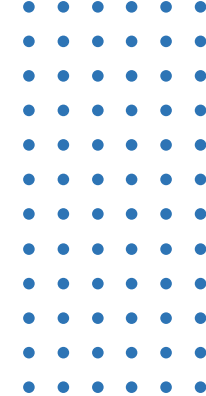
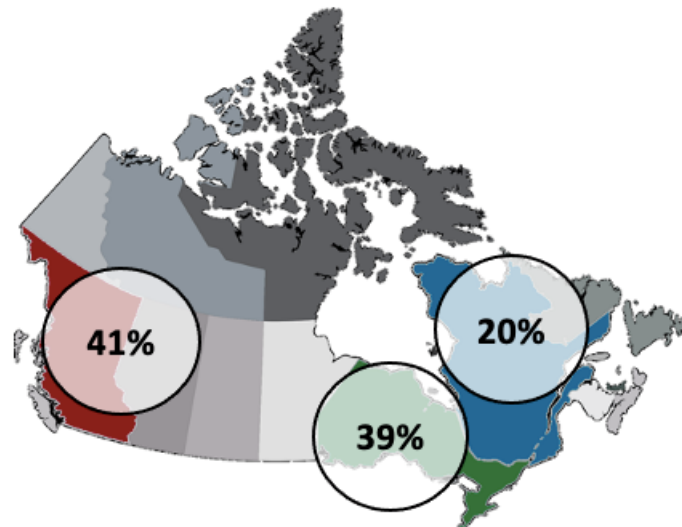
Start KB





KB Training Opportunities

- Training only in Ontario, Quebec, and British Columbia
- In British Columbia, training was sponsored by regional groups (i.e., Fraser Health Authority and Vancouver Coastal Health).
- In Ontario and Quebec, training was offered mainly in universities with significant tuition cost.



KB Profile

KB Roles

KB Challenges

KB Training



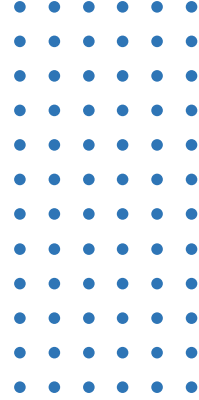
KB Training Opportunities (cont'd)

↑ KB skills for capacity builder

↑ Research skills for evaluator role

↓ Less attention to the other competency-role combinations

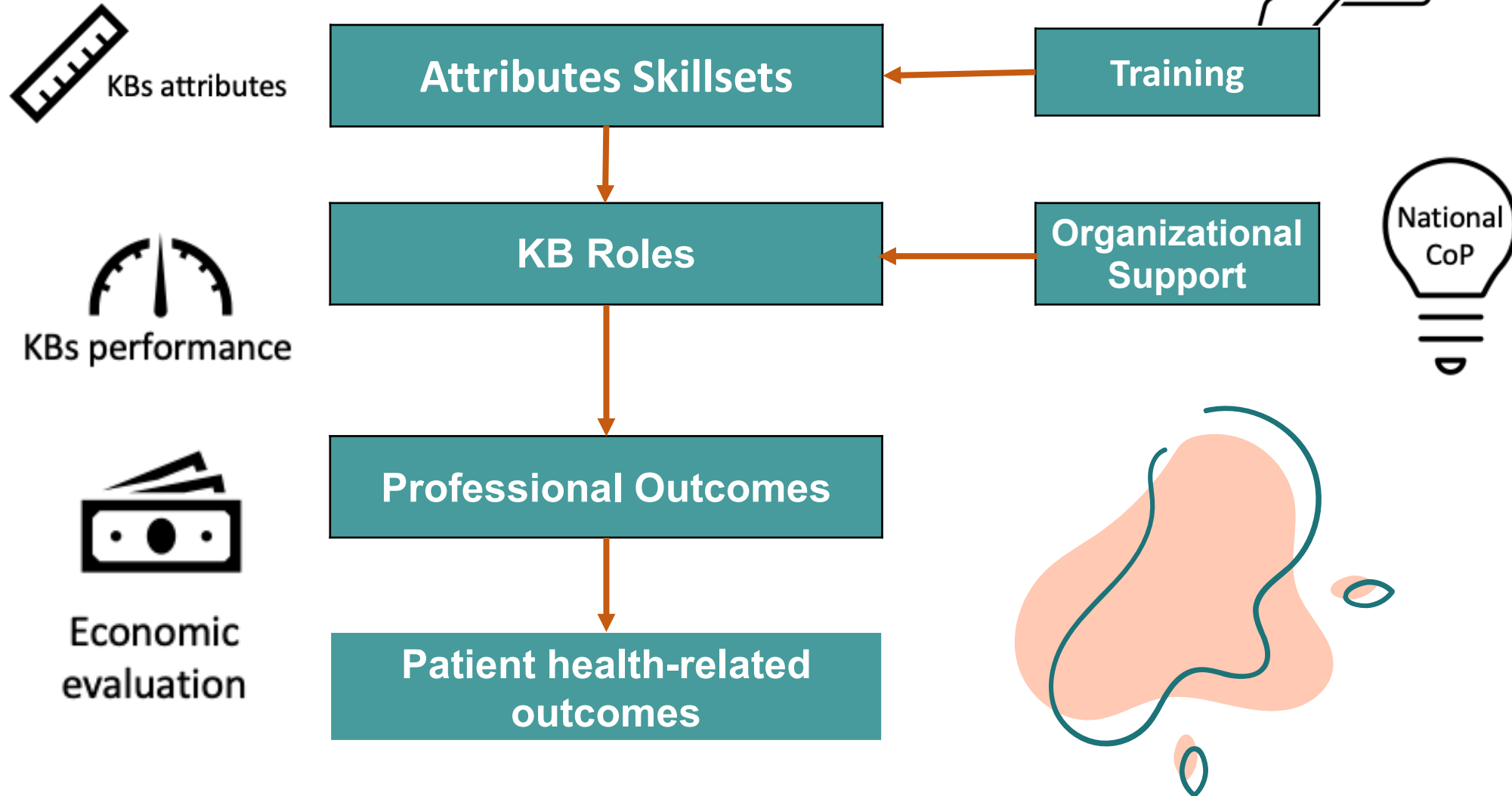
- Communication skills for facilitator role
- Mediation skills for linking agent role
- Knowledge and skills for the information manager role



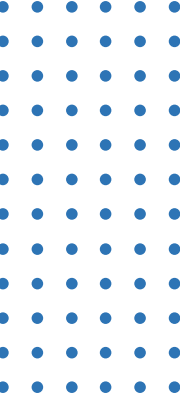
KB Research Findings in Rehabilitation



Future Research



THANKS FOR YOUR PARTICIPATION



Feel Free to Contact Me
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Q&A

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