# Role of Knowledge Translation and Implementation Science in Supporting Evidence Informed Health Professions Education

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Evidence Informed Health Professions Education

can ensure accountability to learners and society in providing meaningful and effective education and helping resource strained systems via streamlined and costefficient practices

Thomas et al., 2019

KNOWELDGE TRANSLATION AND IMPLEMENTATION SCIENCE

# Moving Evidence into Educational Practice and Policy



## Phase 1

Identify the <u>nature</u> and <u>magnitude</u> of the research-practice gap



# Phase 2

Identify <u>factors</u> that support of inhibit use of evidence to inform practice



# Phase 3

<u>Design</u>, <u>implement</u>, and <u>evaluate</u> KT interventions to reduce the gap



Phase 2
Identify <u>factors</u>
that influence use
of research to
inform practice



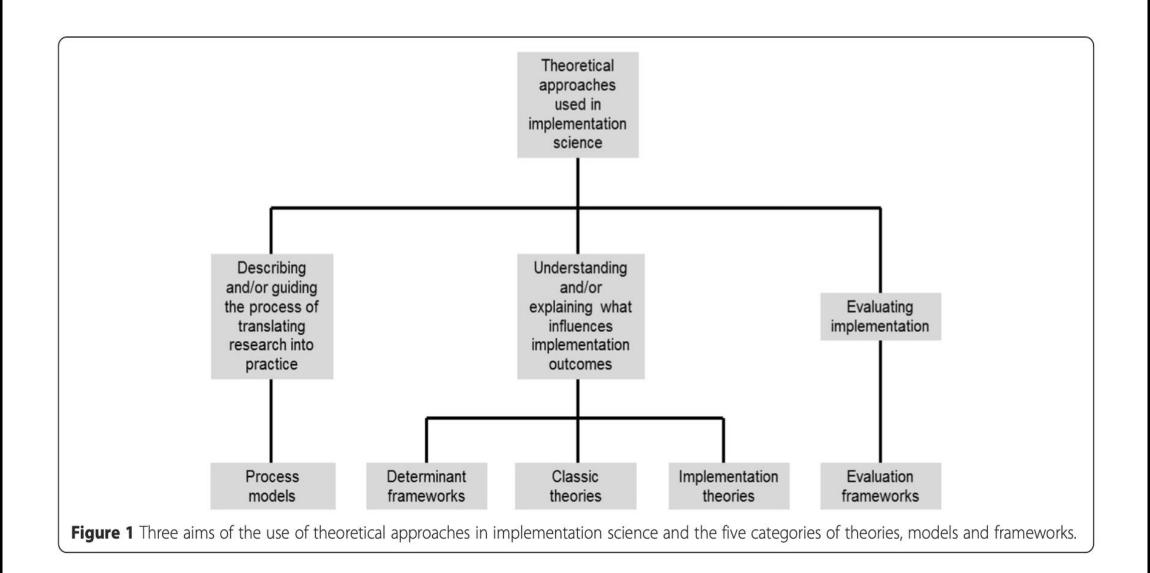
- Individual: teachers and/or preceptors' knowledge, attitudes, skills
- Organizational: availability of resources, culture, readiness to change
- System: educational and health care reforms, accreditation standards.

Phase 3
Design,
implement and
evaluate KT
interventions

TARGETED, THEORY-INFORMED INTERVENTIONS TO ADDRESS
THE. BARRIERS AND PROMOTE UPTAKE OF EVIDENCE BASED
PEDAGOGY

- what do you want your intervention to achieve and for whom?
- what comprises the intervention?
- how do you propose the intervention will work?
- how will you deliver the intervention?

### MANY FRAMEWORKS EXIST TO SUPPORT EACH STEP







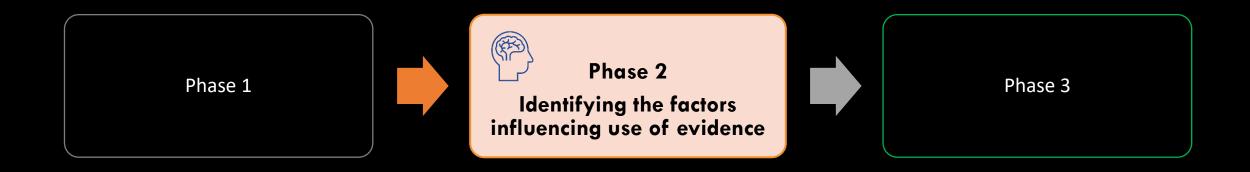
GOAL DOCUMENTING CURRENT EDUCATIONAL STRATEGIES USED IN THE HPE PROGRAMS

**METHODS** 

- Review of accreditation report
- Review evidence on the learner outcome of interest
- Map practices to evidence

OUTCOME

Determine how the current educational strategies/pedagogies differ from those recommended in the literature



#### GOAL

# EXPLORING THE PERCEIVED FACILITATORS AND BARRIERS IN IMPLEMENTING A NEW EDUCATIONAL STRATEGY/PEDAGOGY

#### **METHODS**

- Interviews
- Focus groups
- Brief survey of faculty

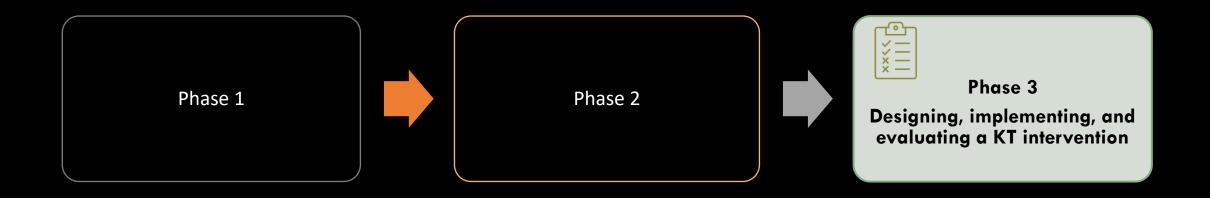
#### OUTCOME

#### **FACILITATORS**

- FACULTY
- PROGRAM CHAIRS
- UNIVERSITY
- OTHER LEVELS

#### **BARRIERS**

- FACULTY
- PROGRAM CHAIRS
- UNIVERSITY
- OTHER LEVELS



Goal

Methods

Outcomes

# DESIGNING INTERVENTIONS THAT LEVERAGE THE SUPPORTS AND ADDRESSES THE BARRIERS TO THE UPTAKE OF A NEW EDUCATIONAL STRATEGY/PEDAGOGY

CFIR, LMIR

#### May be interested in:

- Increase knowledge
- Increase confidence of faculty
- Limited resources

#### Can use:

- Short presentation
- Question and answer
- Testimonials
- Video and webinar

#### What to think about

- Considering local needs of this program
- Involved multiple stakeholders
- Buy in from Chair and Director

#### How to deliver the intervention

- Face to face
- With champion
- Online

# IN CONCLUSION

HPE should rest on sound educational strategies/pedagogies



 EIHPE requires that decisions be made using best available evidence on the effectiveness of a strategy considering multilevel supports and barriers



• Once those factors are identified and considered, tailored KT interventions can be designed to leverage the available supports and target the barriers



• Research on the effectiveness of the KT interventions can help advocate for continued resources to sustain implementation of the new/evidence informed pedagogy

# **THANK YOU**

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