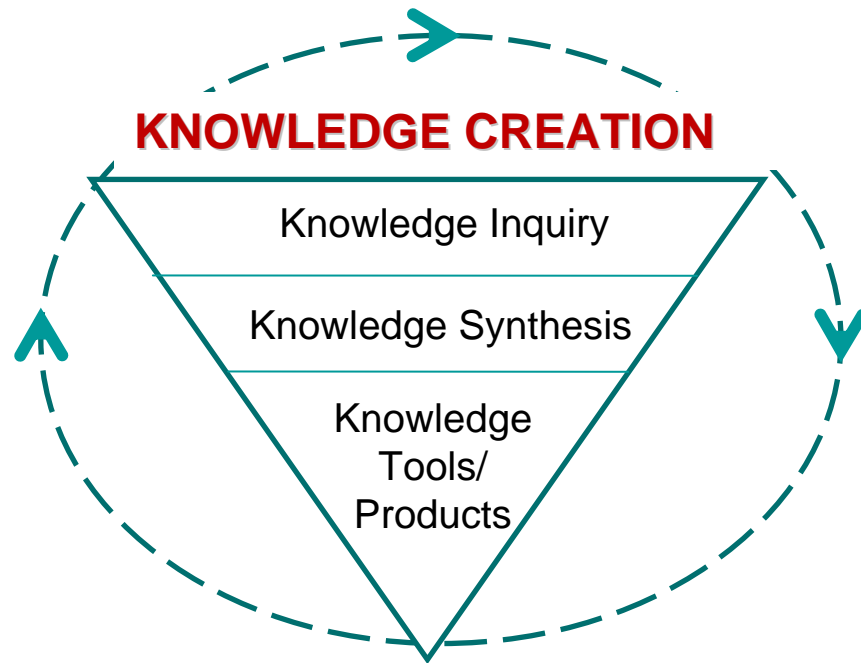

Examining the utility of a scientific conference for initiating knowledge translation in behavioral medicine

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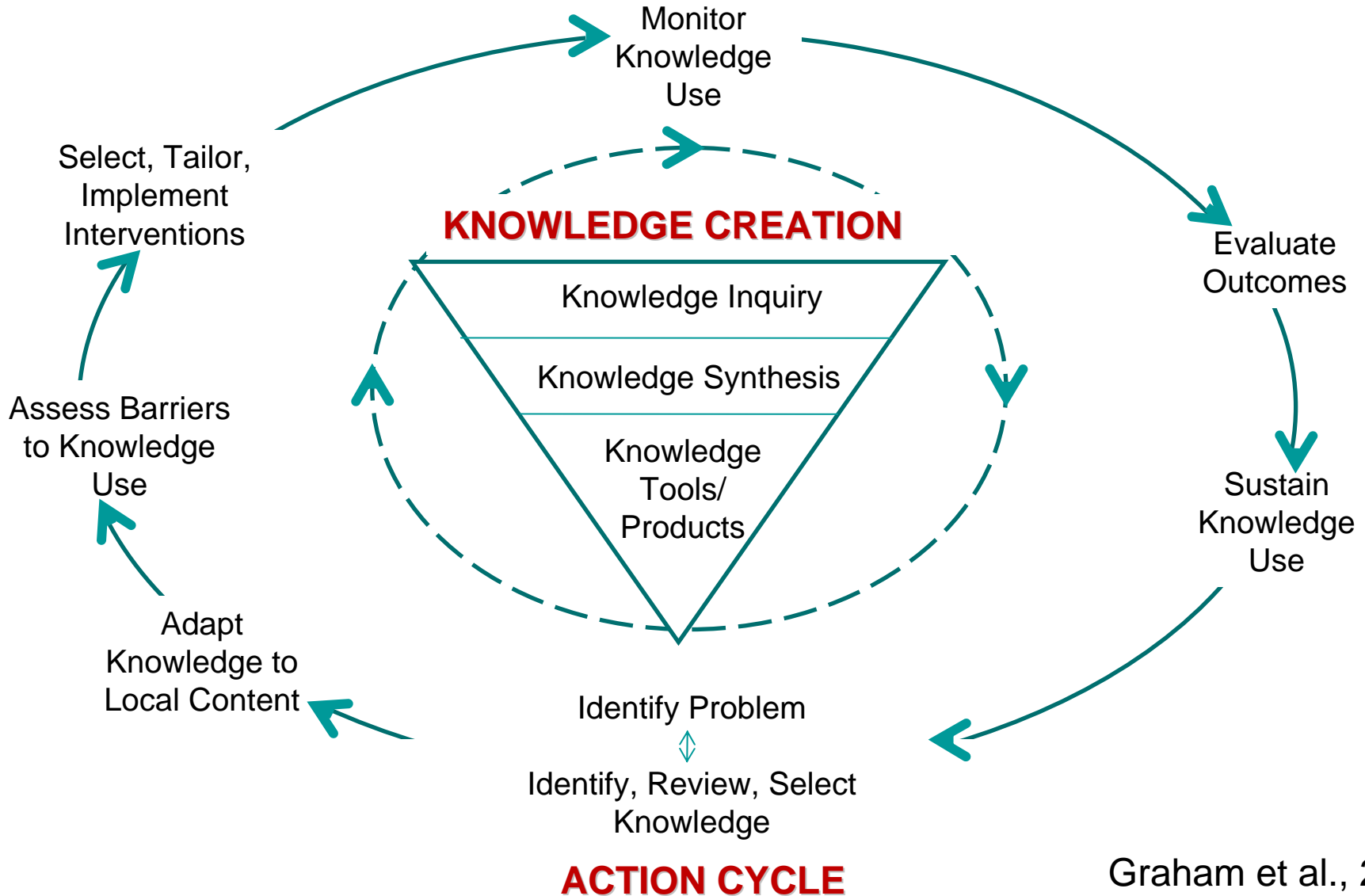
Conceptual Model



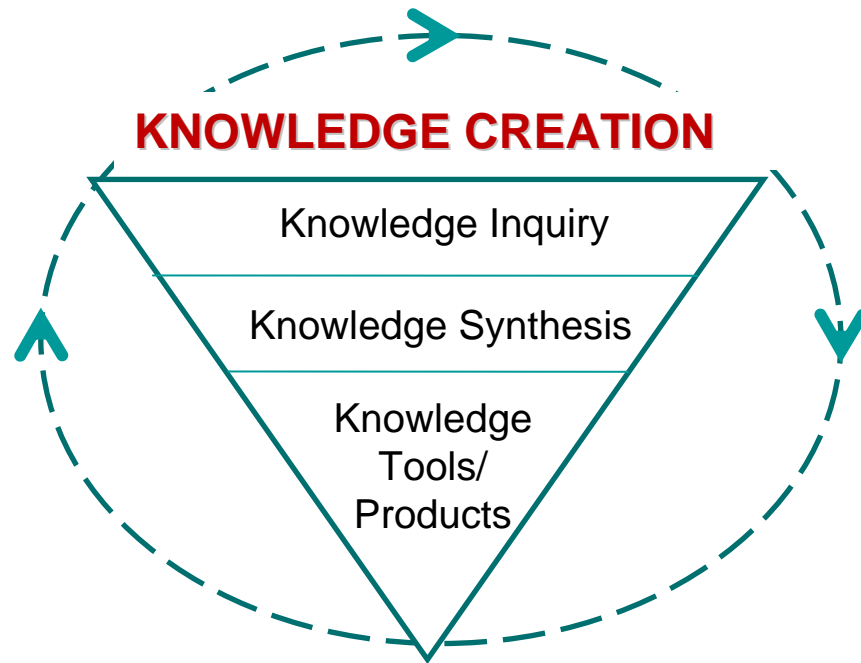
ACTION CYCLE

Graham et al., 2006

Conceptual Model



Conceptual Model



KNOWLEDGE CREATION

Knowledge Inquiry

Knowledge Synthesis

Knowledge
Tools/
Products

ACTION CYCLE

Graham et al., 2006

Purpose of Study

- To examine the effectiveness of a scientific conference as a tool for initiating knowledge transfer from researchers to practitioners.
-

The conference

- To assimilate, interpret, and share scientific evidence with key stakeholders
- To develop recommendations concerning effective policies and programs to address obesity in children

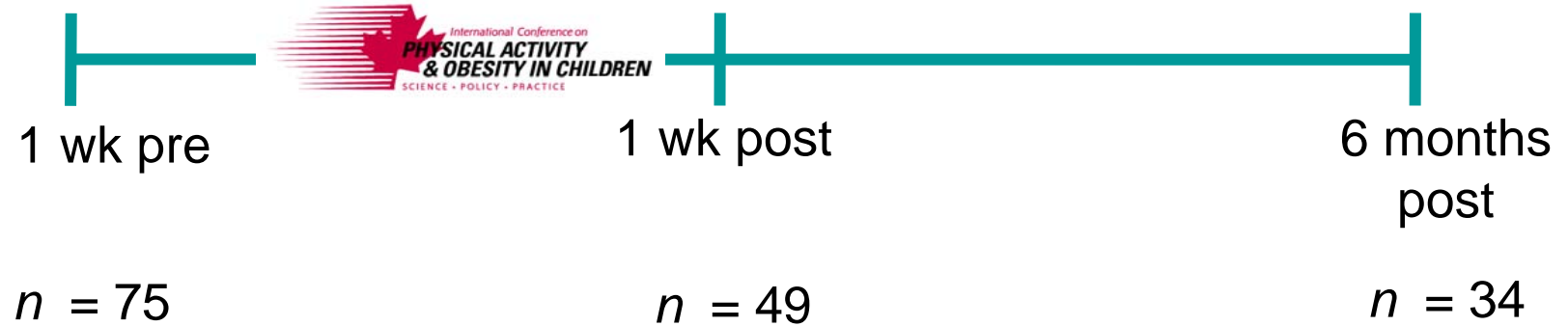
Katzmarzyk et al., 2008



Participants

- Recruited via e-mail
 - 75 healthcare practitioners
 - $M_{\text{age}} = 39.52 \pm 11.05$
 - 77% female, 23% male
 - 41% > 5 yrs experience
-

Method



Measures

- Pre- and Immediately Post Conference
 - Online survey
 - Developing/implementing/evaluating evidence-based childhood obesity prevention interventions
 - Understand current research
 - Use evidence to influence others
-

Measures

- Pre- and Immediately Post Conference
 - Online survey
 - Skill & Knowledge Capacity (5 items)

“I possess the skills and knowledge to develop an evidence-based childhood prevention intervention”
 - Resource capacity (3 items)

“Even if I really wanted to implement an evidence-based childhood prevention intervention, I currently lack the opportunity to do so”
- $\alpha > .64$

Measures

- Pre- and Immediately Post Conference
 - Online survey
 - Intentions (6 items)

“I intend to develop an evidence-based childhood obesity prevention intervention”
 - Self-efficacy (6 items)

“I am confident that I over the next 6 months I could develop an evidence-based childhood obesity interventions”
- $\alpha > .81$

Measures

- 6 Months Post-Conference
 - Online
 - Action taken
 - Developing/implementing/evaluating evidence-based childhood obesity prevention interventions
 - Used current research
 - Used evidence to influence others

- $\alpha > .65$

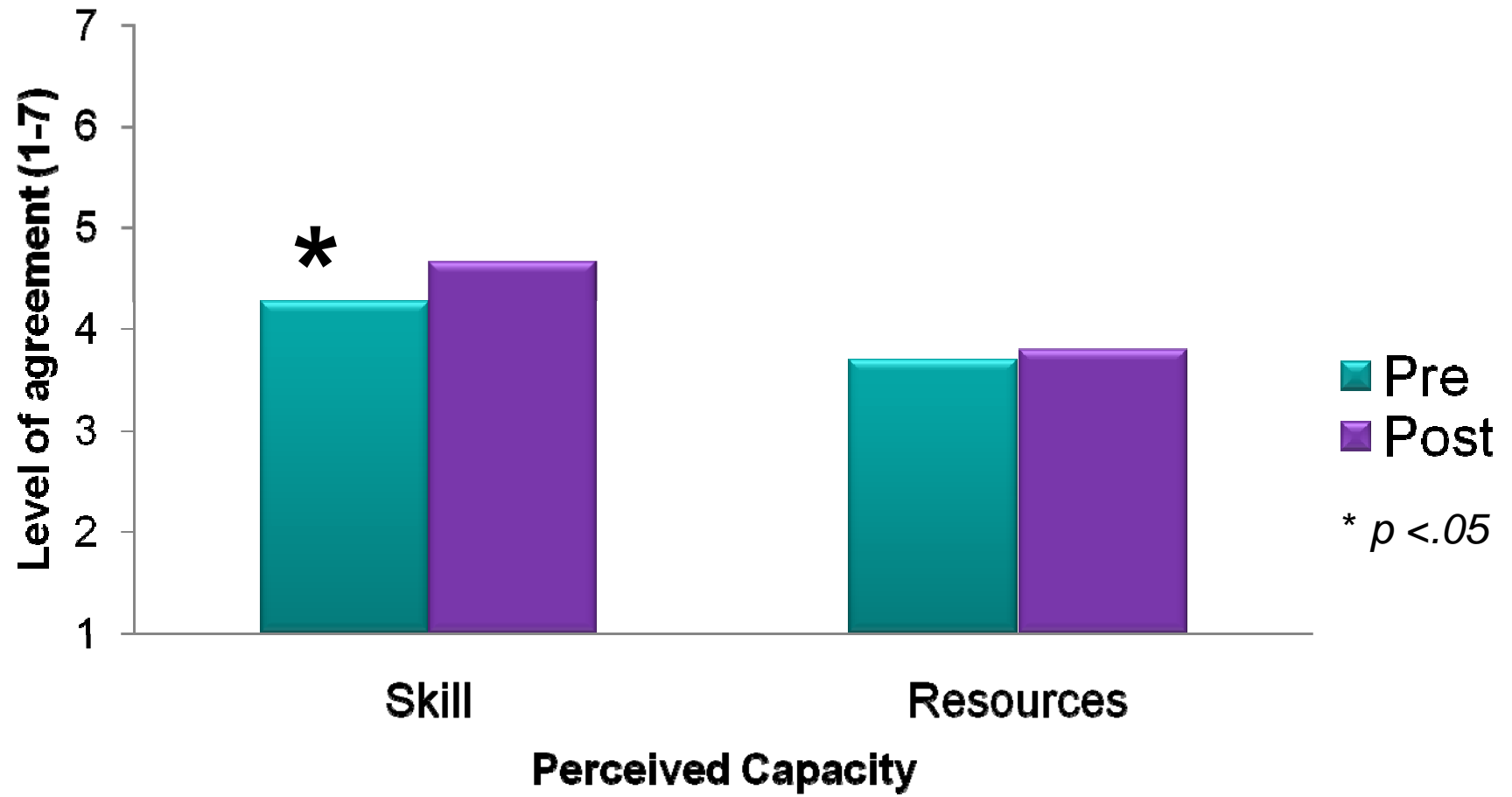
Analysis

- Separate paired t-test
- Hierarchical regression analysis

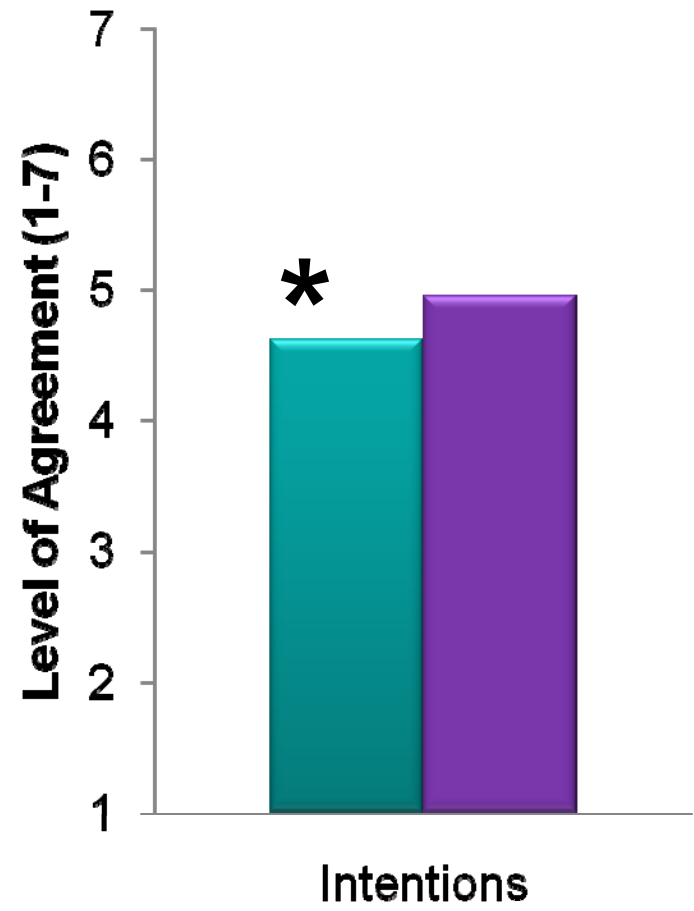
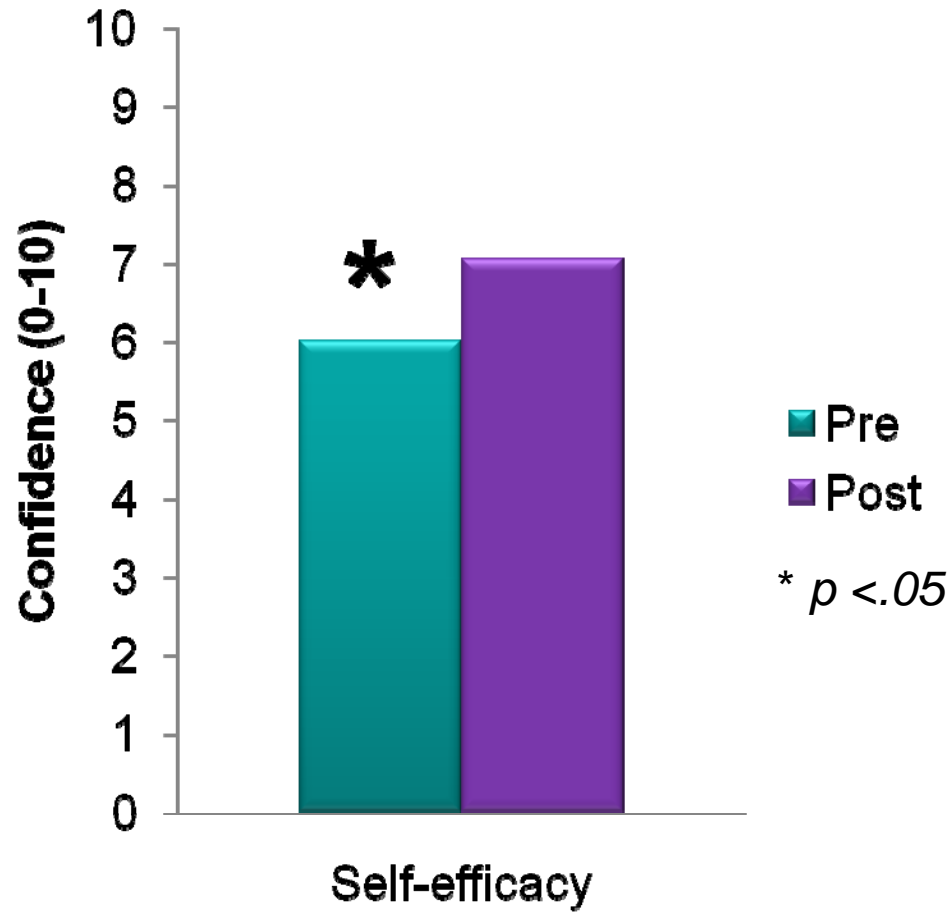


- Controlled for pre-conference intention, self-efficacy, and capacity

Results



Results



Results

	R ² adj	ΔR ²	β	t
Step 1	0.19	0.28		
Capacity: Resources			.20	1.21
Capacity: Skill			-.07	-.37
Pre Self-Efficacy			-.22	-1.40
Pre Intentions			.36	2.00
Step 2	0.36	0.19		
Post Self-Efficacy			.27	1.70
Post Intentions			.35	2.09*

$F(7, 27) = 3.63, p < .05$

* $p < .05$

Discussion

- Scientific conferences may be a useful way to initiate the **Action Cycle** in the process of knowledge translation
 - May impart more than knowledge
 - Self-efficacy
 - Intentions
 - Barriers remain
-

Limitations

- Response rate
 - Lack of a control
 - Subjective measures
-

Thank you

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