A scoping review to examine practice-based clinical-research partnerships

Meghan Vollebregt¹, Lisa Archibald^{1,2}, Julie Theurer¹, & Janis Oram Cardy^{1,2}

- 1. Communication Sciences and Disorders, The University of Western Ontario
- 2. The Brain and Mind Institute, Department of Psychology, The University of Western Ontario (mvollebr@uwo.ca)



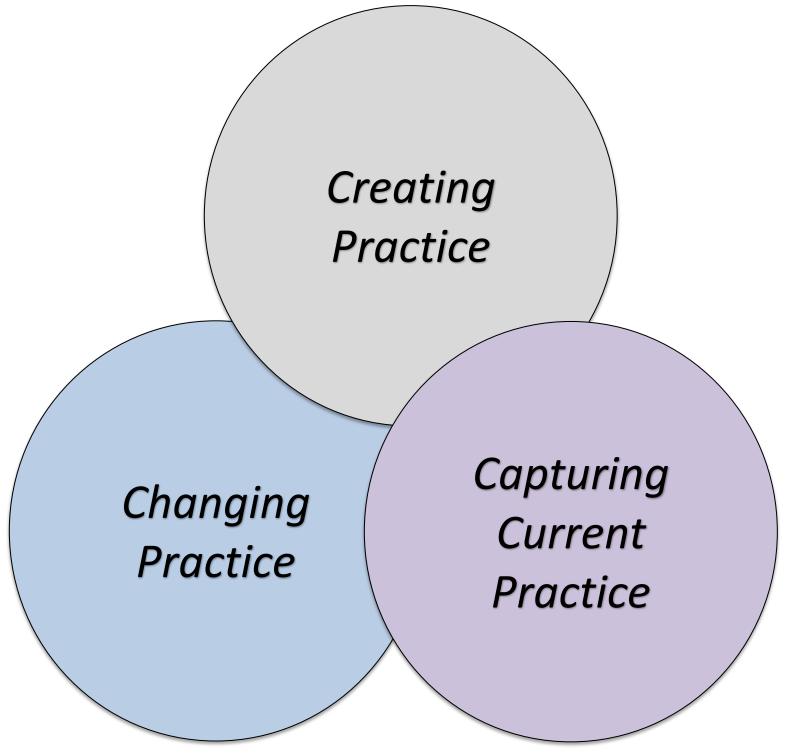


Introduction

- \circ In speech-language pathology, a considerable research-practice gap exists for various reasons including: time lag, reliance on journals for dissemination, and clinicians' difficulty maintaining fidelity to protocols^{1,2,3}.
- o Practice-based research (PBR) is an active approach⁴ that creates knowledge at the point of implementation for the clinician⁵ to minimize this research-practice gap.

Our Model





Co-creating practice-based approaches and evaluating effectiveness and implementation

Collecting evidence to evaluate current/ongoing approaches

Implementing evidence-based approaches in practice

Method

Scoping Review:

Key word searches

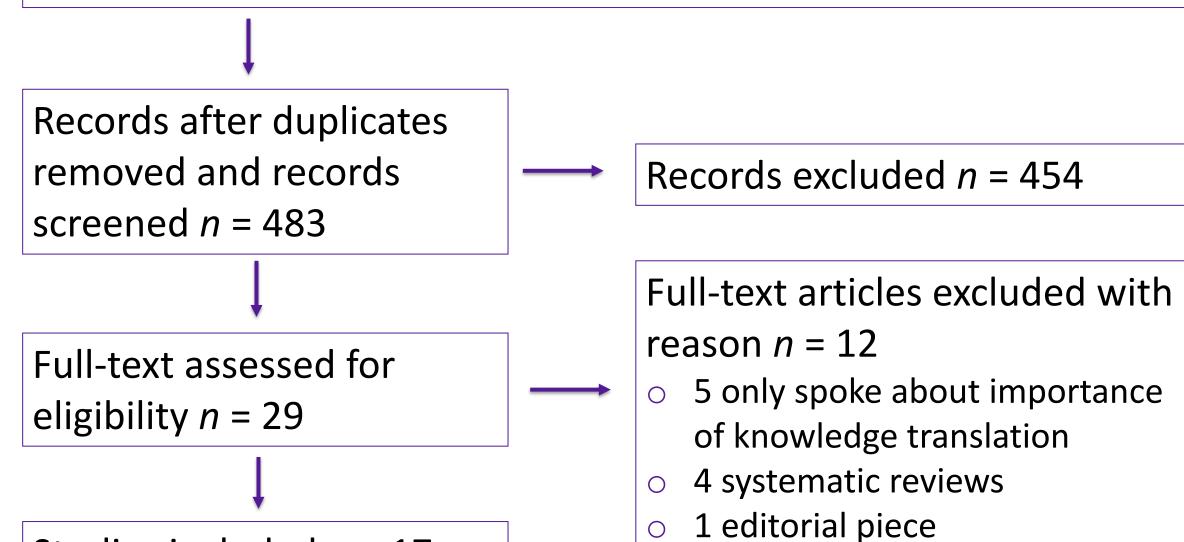
	AND				
OR	Implement* science	Speech language path*			
	Knowledge translat*	Speech therap*			
	Practice based research	Speech path*			
	Practice based evidence				
	Design research				

Databases: Web of Science, PubMed, CINAHL, PsychINFO,
 Scopus, Ovid, and Cochrane Library

Scoping Review Procedures

Studies included n = 17

Records identified through database searching and additional records identified through other sources n = 658



1 conference abstract

Conclusions

Preliminary results include a descriptive numerical summary and a thematic analysis

Key Findings

- Location
 - Australia (41%)
 - Unites States (35%)
 - Canada (24%)
- **Participants**
 - SLPs (63%)
 - Other allied health professionals (21%)
 - Caregivers (15%)

- Disorder Area
 - Stroke care (25%)
 - Physical disabilities (25%)
 - Child language(24%)
- Level of Co-creation
 - Capturing practice (53%)
 - Changingpractice (41%)
 - Creating practice (6%)

Results

Data extrapolation for 17 ar			D: 1				
	Location	Participants	Disorder Area	Data Source	Level of Co- Creation	Consultative or Collaborative	Buzzwords Used i Text
Olswang et al., 2015 ⁶	United States	SLPs	children with physical disabilities	qual./quan. assessed acceptability, adoption and fidelity	creating practice	collaborative	implementation research
Arcuri et al., 2015 ⁷	Canada	Parents and HCP*	children with significant delays	parent questionnaire responses	capturing practice	-	N/A
Douglas, 2016 ⁸	United States	SLPs	dysphagia/ stroke care	survey responses	capturing practice	-	implementation science
Farquharson et al., 2015 ⁹	United States	SLPs	children with DLD	questionnaires	capturing practice	_	implementation science
Foster et al., 2015 ¹⁰	Australia	SLPs	stroke care	survey responses	capturing practice	-	interpretive phenomenology
Hadely et al., 2014 ¹¹	Australia	SLPS	stroke care	survey responses	capturing practice	consultative	implementation science
Imms et al., 2015 ¹²	Australia	allied health professionals	cerebral palsy	survey responses and client outcome	capturing practice	collaborative	research-practice gap
Jeng, 2015 ¹³	United States	SLP	dysarthria	client performance	capturing practice	-	practice-based evidence
Justice et al., 2015 ¹⁴	United States	caregivers	children with DLD	interview/ survey responses	capturing practice	-	implementation science
Miao et al., 2014 ¹⁵	Australia	SLPs	stroke care	interview responses	capturing practice	consultative	knowledge transfer/exchange
Campbell et al., 2013 ¹⁶	Australia	allied health professionals	cerebral palsy	change on Goal Attainment Scaling (GAS)	changing practice	collaborative	knowledge to action process
Cunningham et al., 2016 ¹⁷	Canada	SLPs	preschool	pre-post test intervention responses	changing practice	-	innovation decision process
Cunningham et al., 2018 18	Canada	SLPs	preschool/ school age	pre-post survey responses	changing practice	collaborative	implementation
Dale et al., 2015 ¹⁹	Australia	nurses and SLPs	stroke care	pre-post survey responses	changing practice	consultative	barriers and facilitators
Feuerstein et al., 2017 ²⁰	United States	SLPs, educators, admin. staff	children with physical disabilities	clinician attitude, fidelity and child's performance	changing practice	collaborative	implementation research
Molfenter et al., 2009 ²¹	Canada	SLPs	dysphagia	interview responses	changing practice	collaborative	knowledge to action process
Smith et al., 2011 ²²	Australia	caregivers	dementia	-	changing practice	collaborative	knowledge- translation

References

1. Morris, Z. S., Wooding, S., & Grant, J. (2011). The answer is 17 years, what is the question: understanding time lags in translational research. Journal of the Royal Society of Medicine, 104(12), 510-520. 2. Green, L. W., Ottoson, J. M., Garcia, C., & Hiatt, R. A. (2009). Diffusion theory and knowledge dissemination, utilization, and integration in public health. Annual review of public health, 30, 151-174. 3. Crooke, P. J., & Isolawang, L. B. (2015). Practice-based research: Another pathway for closing the research-practice gap. Journal of Speech, Language, and Hearing Research, 58(6), 5187-51882. 4. Greenhalgh, T., Robert, G., MacFarlane, F., Baste, P., & Kyriskidou, O. (2004). Diffusion of innovations in service passed research: Social work in Medicine, 40(4), 5187-51882. 4. Greenhalgh, T., Robert, G., MacFarlane, F., Baste, P., & Kyriskidou, O. (2004). Diffusion of innovations in service systematic research, 56(6), 5187-51882. 4. Greenhalgh, T., Robert, G., MacFarlane, F., Baste, P., & Kyriskidou, O. (2004). Diffusion of innovations in severe special passed passed

58, pp. 55-56)