

Virtual Pre-Workshop Session

Exploring the Use and Application of Implementation Science in Health Professions Education

Friday, May 20, 2022

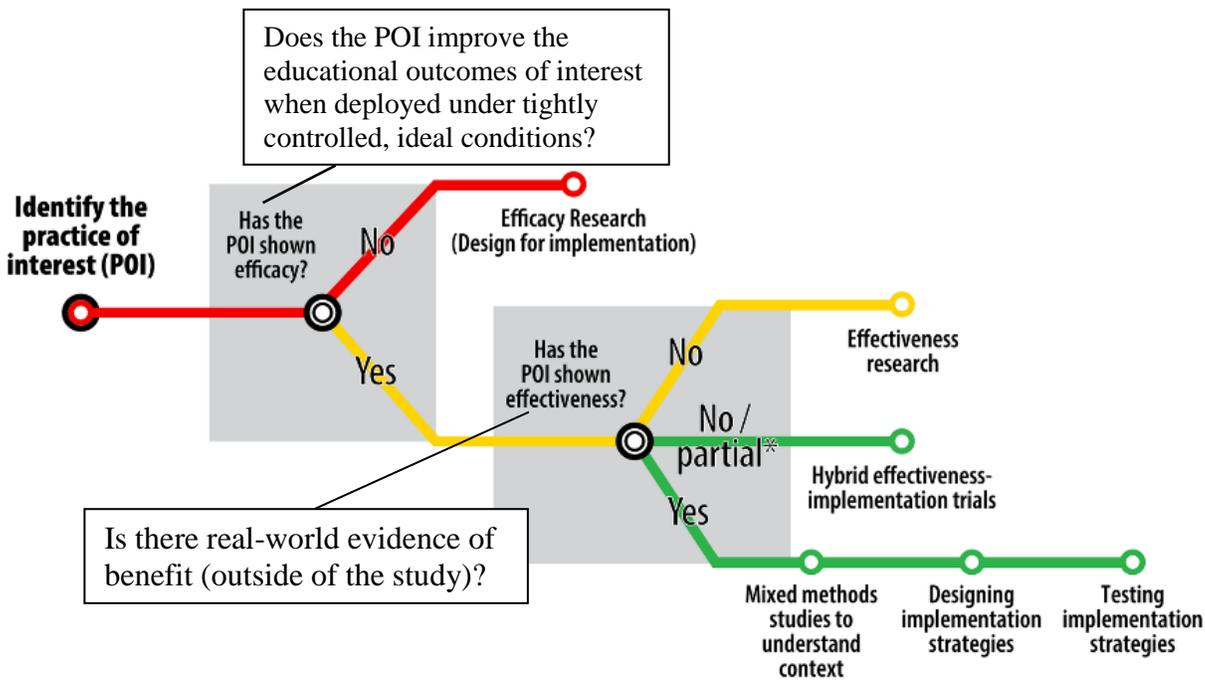
Understanding Implementation Science

Objective: To create a shared understanding of implementation science and what is needed to be able to conduct implementation research

12pmET	<p>Welcome from the Co-chair</p> <ul style="list-style-type: none"> Toby Brooks, Program Director and an Associate Professor in the Master of Athletic Training Program, Texas Tech University Health Science Center
	<p>Background: Implementation Science is the study of what works, for whom and when. Its aim is to reduce research to practice gaps</p> <p>Speaker: Raechel Soicher, School of Psychological Science, Oregon State University</p> <ul style="list-style-type: none"> What is Implementation Science? What do you need to be able to conduct implementation research in HPE? (See schematic below) <p>Question for audience:</p> <ul style="list-style-type: none"> What educational methods do you use in the classroom/clinical learning environment? What is the evidence-base for teaching strategies in HPE – didactic and clinical? <ul style="list-style-type: none"> Share your educational methods and evidence-based strategies HERE <p>Question for the speaker:</p> <ul style="list-style-type: none"> What do you do if you do not have evidence? <p>Discussion</p>
12:45pmET	Adjourn

Resources on page 2

Figure 1. Locating yourself on the “subway line” of translational research



Graphic has been tested with colorblindness filters to ensure readability.

* In some cases it may be appropriate to move forward with a hybrid Type 1 trial in the absence of effectiveness evidence (e.g., very strong efficacy, indirect evidence supportive of potential effectiveness in context of interest, and/or strong momentum supporting implementation in a health care context).

Source: <https://bmcmmedresmethodol.biomedcentral.com/articles/10.1186/s12874-019-0783-z>

Other Resources:

Curran, G. M., Bauer, M., Mittman, B., Pyne, J. M., & Stetler, C. (2012). Effectiveness-implementation hybrid designs: combining elements of clinical effectiveness and implementation research to enhance public health impact. *Medical care*, 50(3), 217–226. <https://doi.org/10.1097/MLR.0b013e3182408812>

Lane-Fall, M.B., Curran, G.M. & Beidas, R.S. Scoping implementation science for the beginner: locating yourself on the “subway line” of translational research. *BMC Med Res Methodol* 19, 133 (2019). <https://doi.org/10.1186/s12874-019-0783-z>

Nilsen, P. Making sense of implementation theories, models and frameworks. *Implementation Sci* 10, 53 (2015). <https://doi.org/10.1186/s13012-015-0242-0>

Soicher, R.N., Becker-Blease, K.A. & Bostwick, K.C.P. Adapting implementation science for higher education research: the systematic study of implementing evidence-based practices in college classrooms. *Cogn. Research* 5, 54 (2020). <https://doi.org/10.1186/s41235-020-00255-0>

Speaker Biographies:



Raechel Soicher is an instructor in the School of Psychological Science at Oregon State University. She recently received a Ph.D. after defending her dissertation, “Implementation Science in Teaching and Learning in Higher Education: A Mixed-Methods Study of the Utility Value Intervention in General Psychology Courses.” As an applied psychologist, her interdisciplinary research focuses on applying an implementation science lens to the translation of cognitive psychology to promote evidence-based teaching in higher education.

Planning Committee Members:

Toby Brooks, PhD (Co-Chair), Program Director and Associate Professor in the Master of Athletic Training Program, Texas Tech University Health Science Center

Nasreen Jessani, DPH, MSPH (Co-Chair), Faculty, Senior Researcher, Stellenbosch University

Darrin D’Agostino, DO, MPH, MBA (Vice Chair), Provost and Chief Academic Officer, Texas Tech University Health Science Center

Zohray Talib, MD, FACP (Vice Chair), Senior Associate Dean of Academic Affairs, Chair of the Department of Medical Education and Medicine, California University of Science and Medicine

Nicole Anselme, MBA, Co-Founder, Chief of Operations and Marketing, Strategic Healthcare Programs LLC

Kim Dunleavy, PhD, PT, OCS, Clinical Associate Professor and Director of Community Engagement and Professional Education, University of Florida Department of Physical Therapy

Eric Holmboe, MD, Chief, Research, Milestones Development and Evaluation Officer, Accreditation Council for Graduate Medical Education

Shawna Hudson, PhD, Professor, Rutgers Robert Wood Johnson Medical School

Kathy Kolasa, PhD, RDN, LDN, Professor Emeritus, Department of Family Medicine, Brody School of Medicine, East Carolina University

Loretta Nunez, MA, AuD, CCC-A/SLP, Senior Director, Academic Affairs & Research Education, American Speech-Language-Hearing Association

Planning Committee Consultant:

Raechel Soicher, School of Psychological Science, Oregon State University