Evans Center for Implementation & Improvement Sciences

BOSTON UNIVERSITY

Transforming Implementation & Improvement Into Science Educational Series

Session Title	"Measuring Implementation & Improvement Outcomes"
Presentation Date	April 18th 2018
Learning Objectives	• Discuss the importance of linking outcome measures to implementation strategies and study design • Describe and identify implementation and improvement outcomes versus efficacy outcomes

Session Resources

Outcomes for Implementation Research: Conceptual Distinctions, Measurement Challenges, and Research Agenda

Proctor E, Silmere H, Raghavan R, Hovman P, Aarons G, Bunger A… Hensley M. Outcomes for implementation research: conceptual distinctions, measurement challenges, and research agenda. *Administration and Policy in Mental Health and Mental Health Services Research.* 2011;33(2):65-76.

- This article describes the critical distinctions between implementation outcomes, service system outcomes and clinical treatment outcomes. Eight core implementation science outcomes are proposed including: acceptability, adoption, appropriateness, feasibility, fidelity, implementation cost, penetration, and sustainability.

Outcomes for Implementation Science: An Enhanced Systematic Review of Instruments Using Evidence-Based Rating Criteria

Lewis CC, Fischer S, Weiner BJ, Stanick C, Kim M, Martinez RG. Outcomes For implementation science: an enhanced systematic review of instruments using evidence-based rating criteria. *Implementation Science.* 2015;10:155.

- This article builds off of Proctor et al. (2011; listed above) by identifying instruments that measure the 8 core implementation outcomes. Lewis et al. describe the validity and psychometric properties of the identified tools.

Implementation Outcomes Toolkit

Gerke D, Lewis E, Prusaczyk B, Hanley C, Baumann A, Proctor E. Implementation Outcomes. St. Louis, MO: Washington University; 2017 July. Eight toolkits related to dissemination and implementation.

- This toolkit describes commonly used implementation outcomes and offers guidance on how to select outcomes relevant to your implementation science research.

Session Resources *continued*

Developing Measures to Assess Constructs from the Inner Setting Domain of the Consolidated Framework for Implementation Research

Fernandez ME, Walker TJ, Weiner BJ, Calo WA, Liang S, Risendal B… Kegler MC. Developing measures to assess constructs from the Inner Setting domain of the Consolidated Framework for Implementation Research. *Implementation Science.* 2018;13:52.

- The Consolidated Framework for Implementation Research (CFIR) represents one of the most commonly used implementation science frameworks. This article presents a valid and reliable survey for measuring key constructs in the CFIR framework, including: culture, stress, effort, implementation climate, learning climate, leadership engagement, and available resources.

Fidelity of Implementation: Development and Testing of a Measure

Keith RE, Hopp FP, Subramanian U, Wiitala W, Lowery JC. Fidelity of implementation: development and testing of a measure. *Implementation Science.* 2010;5:99.

- This article focuses on fidelity as an outcome. A methodology for measuring fidelity of implementation and assessing the association between fidelity and intervention effectiveness is described.