



## Transforming Implementation & Improvement Into Science Educational Series

<b>Session Title</b>	“Using & Discussing Implementation Science Models”
<b>Presentation Date</b>	December 6 <sup>th</sup> 2017
<b>Learning Objectives</b>	<ul style="list-style-type: none"><li>• Gain introductory knowledge of implementation and improvement science specific theoretical/conceptual models.</li><li>• Discuss the importance of linking study questions, process and outcome measures to a conceptual model.</li><li>• Discuss the importance identifying how study findings can build upon existing theory and contribute to developing the field.</li></ul>

### Session Resources

<i>Overview of Conceptual Models</i>
<p><a href="#">Making Sense Of Implementation Theories, Models And Frameworks</a> Nilsen P. Making Sense Of Implementation Theories, Models And Frameworks. <i>Implementation Science</i>. 2015;10(1). doi:10.1186/s13012-015-0242-0.</p> <ul style="list-style-type: none"><li>• This review categorizes theories, models and frameworks into five major approaches including process models, determinant frameworks, classic theories, implementation theories and evaluation theories. This paper can help researchers determine which theoretical approach is best suited for their study questions and aims.</li></ul>
<p><a href="#">Bridging Research and Practice</a> Tabak RG, Khoong EC, Chambers DA, Brownson RC. Bridging Research and Practice. <i>American Journal of Preventive Medicine</i>. 2012;43(3):337-350. doi:10.1016/j.amepre.2012.05.024.</p> <ul style="list-style-type: none"><li>• This review provides a useful tool when selecting a model for implementation or dissemination science studies. The authors identified 61 dissemination and implementation models, and categorized them based on each model’s degree of construct flexibility, which socio-ecological levels are addressed in the model, and whether the models focus on dissemination, implementation or both. This review also discusses how to select and adapt an appropriate model and incorporate it into study design.</li></ul>

*Conceptual Models Discussed in the Session Presentation*

**Promoting Action on Research Implementation in Health Services (PARIHS or iPARIHS)**

- Focused on implementation only
- Addresses individual, community, organizational levels

*\*In 2008, the original PARIHS model was introduced as a highly flexible framework for implementation research. A revised version of the model, focused on greater integration of the model constructs was introduced in 2015.*

[Research Implementation: Evidence, Context and Facilitation - the PARIHS Framework.](#)

(Original PARIHS Model)

Rycroft-Malone J. Research Implementation: Evidence, Context and Facilitation - the PARIHS Framework. *Practice Development in Nursing*. 2008;118-147. doi:10.1002/9780470698884.ch6

[PARIHS Revisited: From Heuristic To Integrated Framework For The Successful Implementation Of Knowledge Into Practice.](#) (Revised iPARIHS Model)

Harvey G, Kitson A. PARIHS Revisited: From Heuristic to Integrated Framework for the Successful Implementation of Knowledge Into Practice. *Implementation Science*. 2015;11(1). doi:10.1186/s13012-016-0398-2.

[PARISH Fact Sheet Link](#) (Original model)

**Proctor et al.'s Conceptual Model of Implementation Research**

- Focuses on implementation, effectiveness
- Addresses individual, community, organizational, systems levels

[Implementation Research in Mental Health Services: An Emerging Science with Conceptual, Methodological, and Training Challenges](#)

Proctor EK, Landsverk J, Aarons G, Chambers D, Glisson C, Mittman B. Implementation Research in Mental Health Services: An Emerging Science with Conceptual, Methodological, and Training challenges. *Administration and Policy in Mental Health and Mental Health Services Research*. 2008;36(1):24-34. doi:10.1007/s10488-008-0197-4.

**Reach Effectiveness Adoption Implementation Maintenance (RE-AIM)**

- Equally focused on dissemination and implementation
- Addresses individual, community, organizational levels

[Evaluating the Public Health Impact of Health Promotion Interventions: The RE-AIM Framework](#)

Glasgow RE, Vogt TM, Boles SM. Evaluating the Public Health Impact of Health Promotion Interventions: The RE-AIM Framework. *American Journal of Public Health*. 1999;89(9):1322-1327. doi:10.2105/ajph.89.9.1322.

[The RE-AIM Framework: A Systematic Review of Use Over Time](#)

Gaglio B, Shoup JA, Glasgow RE. The RE-AIM Framework: A Systematic Review of Use Over Time. *American Journal of Public Health*. 2013;103(6). doi:10.2105/ajph.2013.301299

[RE-AIM Fact Sheet Link](#)

*Popular Implementation and Effectiveness Models Not Discussed in Session Presentation*

**Consolidated Framework for Advancing Implementation Research (CFIR)**

- Focuses on implementation
- Addresses community, organizational levels

[Fostering Implementation of Health Services Research Findings Into Practice: A Consolidated Framework for Advancing Implementation Science](#)

Damschroder LJ, Aron DC, Keith RE, Kirsh SR, Alexander JA, Lowery JC. Fostering Implementation of Health Services Research Findings Into Practice: A Consolidated Framework for Advancing Implementation Science. *Implementation Science*. 2009;4(1). doi:10.1186/1748-5908-4-50.

CFIR Technical Assistance Website: <http://www.cfirguide.org/>

- This website provides an overview of CFIR and offers tools and templates to assist researchers in creating interview guides based on the CFIR model.

[CFIR Fact Sheet Link](#)

**Practical Robust Implementation and Sustainability Model**

**PRISM**

- Greater focus on implementation than dissemination
- Addresses individual, organizational levels

[A Practical, Robust Implementation and Sustainability Model \(PRISM\) for Integrating Research Findings into Practice](#)

Feldstein AC, Glasgow RE. A Practical, Robust Implementation and Sustainability Model (PRISM) for Integrating Research Findings into Practice. *The Joint Commission Journal on Quality and Patient Safety*. 2008;34(4):228-243. doi:10.1016/s1553-7250(08)34030-6.

[PRISM Fact Sheet Link](#)

**The Precede-Proceed Model**

- Equal focus on dissemination and implementation
- Addresses individual, community, organizational levels

Green LW, Kreuter MW. *Health Program Planning: An Educational and Ecological Approach*. 4th ed. New York, NY: McGraw-Hill; 2004.

[Precede-Proceed Fact Sheet Link](#)

**Sticky Knowledge**

- Focuses on implementation
- Addresses individual, community, organizational levels

[Sticky Knowledge: A Possible Model for Investigating Implementation in Healthcare Contexts](#)

Elwyn G, Taubert M, Kowalczyk J. Sticky Knowledge: A Possible Model for Investigating Implementation in Healthcare Contexts. *Implementation Science*. 2007;2(1). doi:10.1186/1748-5908-2-44.

[Sticky Knowledge Fact Sheet Link](#)

