

# TEX-IS RESEARCH NEWS NOTES

Issue 6 - April 2021



**Texas Implementation Science (TEX-IS) Research Network**

*building capacity across the Texas CTSA's through shared resources, information, and opportunities*

## MODELS, METHODS, and MEMORIES

As new scientific fields evolve, novel theories/models, methods, and research designs are developed. This issue of *News Notes* points to several approaches in Implementation Science.

This issue also celebrates the anniversary of our workshop, *Demystifying Implementation Research: Basics and Beyond*, as we gathered in January 2020 to pioneer Implementation Research in Texas.

### Models

While there are over 60 theories/models/frameworks (TMFs) in Implementation Science, two prominent and particularly pragmatic TMFs are highlighted here.

#### Consolidated Framework for Implementation Research (CFIR)

It bears repeating: CFIR is the most widely used framework in implementation research. A systematic review points to over 500 uses and the online CFIR tool is valuable in applying it in research. Watch the video to refresh details and visit the CFIR Guide to applying CFIR.

CFIR GUIDE: "You have come to the right place if you are looking for more information about the Consolidated Framework for Implementation Research (CFIR) that was originally published in

Implementation Science in 2009. This site is created for individuals considering using the CFIR to evaluate an implementation or design an implementation study.” <https://cfirguide.org/>

CFIR Video: Delve deeper into the Consolidated Framework for Implementation Research (CFIR) and its application in a series of studies highlighting, its use to guide data collection and analyses, and its potential for syntheses and tailoring of implementation strategies. See below.

## Use of Theory in Implementation Research: Consolidated Framework for Implementation Research (CFIR)



### Selecting a Model for Research

GUIDE FOR USING D&I MODELS: This guide was presented at the 2019 Annual Academy Health Dissemination & Implementation conference by colleagues from University of Colorado. It provides structure on planning for, selecting, combining, adapting, using, and measuring Dissemination & Implantation models in health. This guide will be useful for both planning research studies as well as planning improvement projects. [https://medschool.cuanschutz.edu/docs/librariesprovider94/di-docs/d-i-presentation/handout-for-di-models-workshop\\_final.pdf?sfvrsn=a6b690b9\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider94/di-docs/d-i-presentation/handout-for-di-models-workshop_final.pdf?sfvrsn=a6b690b9_0)

Moullin JC, Dickson KS, Stadnick NA, Albers B, Nilsen P, Broder-Fingert S, Mukasa B, Aarons GA. [Ten recommendations for using implementation frameworks in research and practice](https://doi.org/10.1186/s43058-020-00023-7). Implementation Science Communications. 2020 Dec;1:1-2. <https://doi.org/10.1186/s43058-020-00023-7>

Evidence supports the use of implementation science (IS) models when conducting IS research although, these models are not used as often as they could be. This paper makes recommendations for the application of IS models for researchers and practitioners.

### Methods

These publications reinforce and extend the presentations of Workshop Expert, Dr. JD Smith.

Hwang S, Birken SA, Melvin CL, Rohweder CL, Smith JD. **Designs and methods for implementation research: advancing the mission of the CTSA program**. Journal of Clinical and Translational Science.

With the distinction between EBI effectiveness research and implementation research comes differences in study design and methodology. This article describes designs and methods that are currently applied in implementation research. Implementation research is, by definition, a systems science in that it simultaneously studies the influence of individuals, organizations, and the environment on implementation.

Smith JD, Li DH, Rafferty MR. **The Implementation Research Logic Model: a method for planning, executing, reporting, and synthesizing implementation projects.** Implementation Science. 2020 Dec;15(1):1-2. <https://doi.org/10.1186/s13012-020-01041-8>

This paper introduces The Implementation Research Logic Model (IRLM) to help strengthen the connection and rationale for fitting models to specific research questions. It increases the scientific rigor and the transparency of model application and connects core elements of an implementation science research project. The IRLM provides a compact visual depiction of an implementation project and is a useful tool for academic–practice collaboration and partnership development.

## Memories

### **A Year Ago - Implementation Research Workshop in San Antonio**

January 30-31, 2020, 63 participants from all four Texas CTAs gathered to expand Implementation Research capacity in Texas. Our two-day workshop provided opportunity to “demystify implementation research,” starting with basics and to look beyond and continue growing this initiative.

### **It's a Year After the Workshop: Do You Know Where Your Workbook Is?**

If you have become disconnected from your Implementation Research Workshop Syllabus, you are in luck. Learning resources were made available on the host institution's website [here](#) . Additionally, view our final report [here](#).

### **Relive the Moment, Rekindle Implementation Research Ideas**

See photo gallery below.



Logo on workshop syllabus and slides depicts "adoption" curve.

VP for Research, Andrea Giuffrida welcomes participants, underscoring significance of Implementation Research to health.



Implementation Research methods expert, Dr. JD Smith engages faculty scientists in learning new designs.



Implementation Design expert, Dr. JD Smith presents Hybrid Type I, II, III Research Designs.



International Expert, John Ovretveit Engages Faculty in Pre-Workshop Sessions: School of Nursing Faculty



International Expert, John Ovretveit Engages Faculty in Pre-Workshop Sessions: School of Nursing Faculty



International Expert, John Ovretveit Engages Faculty in Pre-Workshop Sessions: Dr. Ovretveit Addresses ReACH Scholars



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