

# OHTN Implementation Science Workshop

## Relevant Resources

### Resources to help you write a competitive Implementation Science proposal

#### Implementation Science: Key Criteria

- Proctor, E., Powell, B., Baumann, A., Hamilton, A., & Santens, R. (2012). Writing implementation research grant proposals: ten key ingredients. *Implementation Science*, 7, 96–109. <https://implementationscience.biomedcentral.com/articles/10.1186/1748-59...>
- Crable, E. L., Biancarelli, D., Walkey, A. J., Allen, C. G., Proctor, E. K., & Drainoni, M. L. (2018). Standardizing an approach to the evaluation of implementation science proposals. *Implementation Science*, 13(1), 71. <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-018-0770-5>

#### Classic Theory: Diffusion of Innovation

- Rogers, Everett M., et al. "Complex adaptive systems and the diffusion of innovations." *The Innovation Journal: The Public Sector Innovation Journal* 10.3 (2005): 1-26. <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.130.8047&rep=rep1&type=pdf>
- Rogers 1962 <https://teddykw2.files.wordpress.com/2012/07/everett-m-rogers-diffusion-of-innovations.pdf>

#### Process model: Ottawa Model of Research Use

- Graham, I.D., & Logan, J. (2004). Innovations in knowledge transfer and continuity of care. *Canadian Journal of Nursing Research*, 36(2), 89-103. <https://www.ncbi.nlm.nih.gov/pubmed/14717144>

#### Process Model: Knowledge to Action Cycle

- Graham, I. D., Logan, J., Harrison, M. B., Straus, S. E., Tetroe, J., Caswell, W., & Robinson, N. (2006). Lost in knowledge translation: time for a map?. *Journal of continuing education in the health professions*, 26(1), 13-24. <https://onlinelibrary.wiley.com/doi/pdf/10.1002/chp.47>

#### Implementation theory: Behaviour Change Wheel

- Michie, Susan, Maartje M. Van Stralen, and Robert West. "The behaviour change wheel: a new method for characterising and designing behaviour change interventions." *Implementation science* 6.1 (2011): 42. <https://implementationscience.biomedcentral.com/track/pdf/10.1186/1748-5908-6-42>

#### Evaluation Framework: Conceptual model of implementation research

- Proctor, E. K., Landsverk, J., Aarons, G., Chambers, D., Glisson, C., & Mittman, B. (2009). 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*, 36(1), 24-34. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3808121/pdf/nihms519797.pdf>

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### Evaluation Framework: RE-AIM

- Glasgow, R. E., Vogt, T. M., & Boles, S. M. (1999). Evaluating the public health impact of health promotion interventions: the RE-AIM framework. *American journal of public health, 89*(9), 1322-1327. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1508772/pdf/amjph00009-0018.pdf>

### Determinants Framework: PARIHS (Promoting Action on Research in Health Services)

- Rycroft-Malone, J. (2004). The PARIHS framework—a framework for guiding the implementation of evidence-based practice. *Journal of nursing care quality, 19*(4), 297-304. <https://pdfs.semanticscholar.org/7972/6abeb8cfff4225de3c0ce6401240c5b3f71e.pdf>

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

- Damschroder, L. J., Aron, D. C., Keith, R. E., Kirsh, S. R., Alexander, J. A., & Lowery, J. C. (2009). Fostering implementation of health services research findings into practice: a consolidated framework for advancing implementation science. *Implementation science, 4*(1), 50. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2736161/pdf/1748-5908-4-50.pdf>

### Implementation Stages

- Metz, A., & Bartley, L. (2012). Active Implementation Frameworks for program success: How to use implementation science to improve outcomes for children. *Zero to Three Journal, 32*(4), 11-18. <https://elc.grads360.org/services/PDCService.svc/GetPDCDocumentFile?fileId=3958>

### A Developmental Evaluation Primer

Gamble 2008 <https://mcconnellfoundation.ca/wp-content/uploads/2017/07/A-Developmental-Evaluation-Primer-EN.pdf>

### The Hexagon: An EBP Exploration Tool

<https://implementation.fpg.unc.edu/sites/implementation.fpg.unc.edu/files/imce/documents/NIRN%20Hexagon%20Discussion%20Analysis%20Tool%20v2.2.pdf>

### Implementation Drivers Framework

- Fixsen, D. L., & Blase, K. A. (2008). Drivers framework. Chapel Hill: National Implementation Research Network, Frank Porter Graham Child Development Institute, The University of North Carolina <https://implementation.fpg.unc.edu/sites/implementation.fpg.unc.edu/files/NIRN-ImplementationDriversAssessingBestPractices.pdf>

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## Relevant Resources

### Useful Websites

**National Implementation Research Network:** <https://nirn.fpg.unc.edu/learn-implementation>

**NIRN Active implementation Hub:** <https://implementation.fpg.unc.edu/modules-and-lessons>

(Includes Modules on Implementation Drivers, Teams, Stages, Improvement Cycles, Usable Innovations and Fidelity Assessment and more!)

**Global Implementation Initiative:** <https://globalimplementation.org/resources/>

**NIH: Fogarty International Center: Resources for Implementation Researchers:**  
<https://www.fic.nih.gov/About/center-global-health-studies/neuroscience-implementation-toolkit/Pages/resources.aspx>

**Examples of successful NIH Implementation Science Grant Proposals (Cancer Research):**  
<https://cancercontrol.cancer.gov/IS/sample-grant-applications.html>

### Other relevant articles

#### Information about Implementation Science:

- Duda, M. A., Fixsen, D. L., & Blase, K. A. (2013). Setting the Stage for Sustainability: Building the Infrastructure for Implementation Capacity. In V. Buysse & E. Peisner-Feinberg (Eds.), Handbook of Response to Intervention in Early Childhood (pp. 397-417). Baltimore, MD: Brookes.
- Nilsen, P. (2015). Making sense of implementation theories, models and frameworks. Implementation science, 10(1), 53.  
<https://implementationscience.biomedcentral.com/track/pdf/10.1186/s13012-015-0242-0>
- Duda M. and Wilson B. Using Implementation Science to Close the Policy to Practice Gap  
[https://www.wilsonlanguage.com/wp-content/uploads/2016/06/Implementation\\_Science\\_White\\_Paper\\_for\\_Literate\\_Nation.pdf](https://www.wilsonlanguage.com/wp-content/uploads/2016/06/Implementation_Science_White_Paper_for_Literate_Nation.pdf)
- Implementation Research: A synthesis of the Literature: Fixen et al. 2005  
<https://nirn.fpg.unc.edu/sites/nirn.fpg.unc.edu/files/resources/NIRN-MonographFull-01-2005.pdf>