

## Suggestion of literature about adaptation

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Notes: some papers may fit several categories, but we listed them only once to avoid duplication. This is not meant to be a complete list and we are certainly missing important papers.

### 1. Adaptation is important for recruitment, retention, and efficacy of interventions for diverse populations.

Benish, S. G., Quintana, S., & Wampold, B. E. (2011). Culturally adapted psychotherapy and the legitimacy of myth: a direct-comparison meta-analysis. *Journal of Counseling Psychology, 58*(3), 279.

Hall, G. C. N., Ibaraki, A. Y., Huang, E. R., Marti, C. N., & Stice, E. (2016). A meta-analysis of cultural adaptations of psychological interventions. *Behavior Therapy, 47*(6), 993-1014.

Rathod, S., Gega, L., Degnan, A., Pikard, J., Khan, T., Husain, N., ... & Naeem, F. (2018). The current status of culturally adapted mental health interventions: a practice-focused review of meta-analyses. *Neuropsychiatric disease and treatment, 14*, 165.

Thier, M., Martinez, C. R., Alresheed, F., Storie, S., Sasaki, A., Meline, M., ... & Yim-Dockery, H. (2020). Cultural Adaptation of Promising, Evidence-Based, and Best Practices: a Scoping Literature Review. *Prevention Science, 21*(1), 53-64.

### 2. The importance of context in implementation science, as one of the forces for adaptation.

Nilsen, P., & Bernhardsson, S. (2019). Context matters in implementation science: a scoping review of determinant frameworks that describe contextual determinants for implementation outcomes. *BMC health services research, 19*(1), 189.

Chambers, D. A., Glasgow, R. E., & Stange, K. C. (2013). The dynamic sustainability framework: addressing the paradox of sustainment amid ongoing change. *Implementation Science, 8*(1), 117.

### 3. Issues of definitions of the word adaptation: It has been considered as:

- a process or mechanism
- a strategy
- a quality of an intervention (i.e. adaptability)
- an outcome

Miller, C. J., Wiltsey-Stirman, S., & Baumann, A. A. (2020). Iterative Decision-making for Evaluation of Adaptations (IDEA): A decision tree for balancing adaptation, fidelity, and intervention impact. *Journal of Community Psychology, 48*(4), 1163-1177.

Baumann, A. A., & Cabassa, L. J. (2020). Reframing implementation science to address inequities in healthcare delivery. *BMC Health Services Research, 20*(1), 1-9.

#### **4. Fidelity and adaptation, and why fidelity is important:**

Forgatch, M. S., Patterson, G. R., & DeGarmo, D. S. (2006). Evaluating fidelity: Predictive validity for a measure of competent adherence to the Oregon model of parent management training. *Behavior therapy, 36*(1), 3-13.

Marques, L., Valentine, S. E., Kaysen, D., Mackintosh, M. A., Dixon De Silva, L. E., Ahles, E. M., ... & Wiltsey-Stirman, S. (2019). Provider fidelity and modifications to cognitive processing therapy in a diverse community health clinic: Associations with clinical change. *Journal of consulting and clinical psychology, 87*(4), 357.

von Thiele Schwarz, U., Aarons, G. A., & Hasson, H. (2019). The Value Equation: Three complementary propositions for reconciling fidelity and adaptation in evidence-based practice implementation. *BMC Health Services Research, 19*(1), 868.

Stirman, S. W., Gutner, C. A., Crits-Christoph, P., Edmunds, J., Evans, A. C., & Beidas, R. S. (2015). Relationships between clinician-level attributes and fidelity-consistent and fidelity-inconsistent modifications to an evidence-based psychotherapy. *Implementation Science, 10*(1), 1-10.

#### **5. Core elements versus core functions, and implications for adaptation**

Hawe P, Shiell A, Riley T. Complex interventions: how "out of control" can a randomised controlled trial be?. *BMJ.* 2004;328(7455):1561-1563.

Jolles, M. P., Lengnick-Hall, R., & Mittman, B. S. (2019). Core functions and forms of complex health interventions: a patient-centered medical home illustration. *Journal of general internal medicine, 34*(6), 1032-1038.

#### **6. Decision frameworks for whether and when to adapt:**

Kirk, M. A., Moore, J. E., Stirman, S. W., & Birken, S. A. (2020). Towards a comprehensive model for understanding adaptations' impact: the model for adaptation design and impact (MADI). *Implementation Science, 15*(1), 1-15.

Miller, C. J., Wiltsey-Stirman, S., & Baumann, A. A. (2020). Iterative Decision-making for Evaluation of Adaptations (IDEA): A decision tree for balancing adaptation, fidelity, and intervention impact. *Journal of Community Psychology, 48*(4), 1163-1177.

Movsisyan, A., Arnold, L., Evans, R., Hallingberg, B., Moore, G., O'Cathain, A., ... & Rehfues, E. (2019). Adapting evidence-informed complex population health interventions for new contexts: a systematic review of guidance. *Implementation Science, 14*(1), 105.

#### **7. Process frameworks to guide adaption:**

Baumann, A. A., Domenech Rodríguez, M. M., Amador, N. G., Forgatch, M. S., & Parra-Cardona, J. R. (2014). Parent management training-oregon model (PMTO™) in Mexico City: Integrating cultural adaptation activities in an implementation model. *Clinical Psychology: Science and Practice, 21*(1), 32-47.

Bernal, G. E., & Domenech Rodríguez, M. M. (2012). *Cultural adaptations: Tools for evidence-based practice with diverse populations* (pp. xix-307). American Psychological Association.

Cabassa, L. J., Gomes, A. P., Meyreles, Q., Capitelli, L., Younge, R., Dragatsi, D., ... & Lewis-Fernández, R. (2014). Using the collaborative intervention planning framework to adapt a health-care manager intervention to a new population and provider group to improve the health of people with serious mental illness. *Implementation Science*, *9*(1), 178.

Escoffery, C., Lebow-Skelley, E., Haardoerfer, R., Boing, E., Udelson, H., Wood, R., ... & Mullen, P. D. (2018). A systematic review of adaptations of evidence-based public health interventions globally. *Implementation Science*, *13*(1), 125.

Perera, C., Salamanca-Sanabria, A., Caballero-Bernal, J., Feldman, L., Hansen, M., Bird, M., ... & Vallières, F. (2020). No implementation without cultural adaptation: a process for culturally adapting low-intensity psychological interventions in humanitarian settings. *Conflict and health*, *14*(1), 1-12.

## **8. Framework for tracking adaption EBI:**

Stirman, S. W., Baumann, A. A., & Miller, C. J. (2019). The FRAME: an expanded framework for reporting adaptations and modifications to evidence-based interventions. *Implementation Science*, *14*(1), 1-10.

## **9. Methods on how to track adaptation:**

Aschbrenner, K. A., Bond, G. R., Pratt, S. I., Jue, K., Williams, G., Banerjee, S., & Bartels, S. J. (2020). Evaluating agency-led adaptations to an evidence-based lifestyle intervention for adults with serious mental illness. *Implementation Research and Practice*, *1*, 2633489520943200.

Chlebowski, C., Hurwich-Reiss, E., Wright, B., & Brookman-Frazee, L. (2020). Using stakeholder perspectives to guide systematic adaptation of an autism mental health intervention for Latinx families: A qualitative study. *Journal of Community Psychology*, *48*(4), 1194-1214.

Coronado, G. D., Schneider, J. L., Green, B. B., Coury, J. K., Schwartz, M. R., Kulkarni-Sharma, Y., & Baldwin, L. M. (2020). Health plan adaptations to a mailed outreach program for colorectal cancer screening among Medicaid and Medicare enrollees: the BeneFIT study. *Implementation Science*, *15*(1), 1-13.

Hall TL, Holtrop JS, Dickinson LM, Glasgow RE. Understanding adaptations to patient-centered medical home activities: The PCMH adaptations model. *Transl Behav Med*. 2017;*7*(4):861-872.

Kim, J. J., Brookman-Frazee, L., Barnett, M. L., Tran, M., Kuckertz, M., Yu, S., & Lau, A. S. (2020). How community therapists describe adapting evidence-based practices in sessions for youth: Augmenting to improve fit and reach. *Journal of Community Psychology*, *48*(4), 1238-1257.

Mackie, T. I., Ramella, L., Schaefer, A. J., Sridhar, M., Carter, A. S., Eisenhower, A., ... & Sheldrick, R. C. (2020). Multi-method process maps: An interdisciplinary approach to investigate ad-hoc modifications in protocol-driven interventions. *Journal of Clinical and Translational Science*, 1-33.

Glasgow, R. E., Battaglia, C., McCreight, M., Ayele, R. A., & Rabin, B. A. (2020). Making implementation science more rapid: Use of the RE-AIM framework for mid-course adaptations across five health services research projects in the Veterans Health Administration. *Frontiers in Public Health*, *8*, 194.

Rabin, B. A., McCreight, M., Battaglia, C., Ayele, R., Burke, R. E., Hess, P. L., ... & Glasgow, R. E. (2018). Systematic, multimethod assessment of adaptations across four diverse health systems interventions. *Frontiers in public health*, *6*, 102.

Teeter, B. S., Thomas, J. L., Curran, G. M., & Balamurugan, A. (2020). Classifying intervention modifications in the community pharmacy context: A demonstration study. *Journal of the American Pharmacists Association*.