

The Implementation Playbook: A Dynamic Digital Tool to Close the Know-Do Gap and Make Implementation Simpler

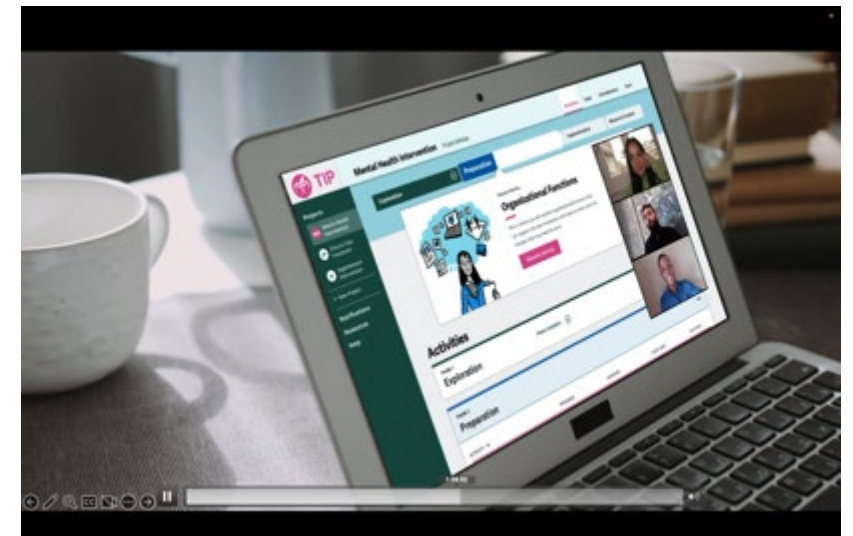
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November 2nd, 2023 † QUERI Implementation Research Group



**The
Implementation
Playbook**

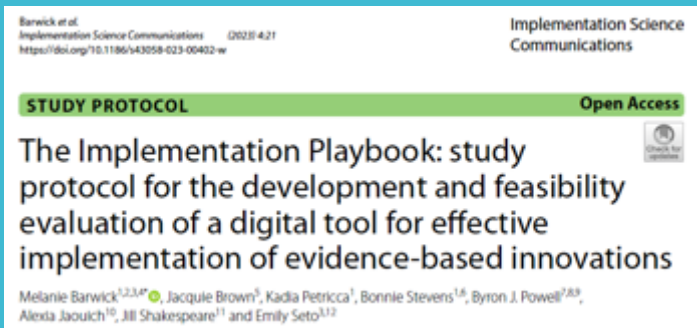


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SickKids[®]
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The Implementation Playbook: e-health technology for effective implementation of evidence-based interventions.

CIHR 2021-2025



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- Jason Langer, Youthdale Treatment Centre, Toronto
- Chris Curry, Lanark, Leeds and Grenville Addictions and Mental Health
- *Forthcoming site – this could be yours 😊*



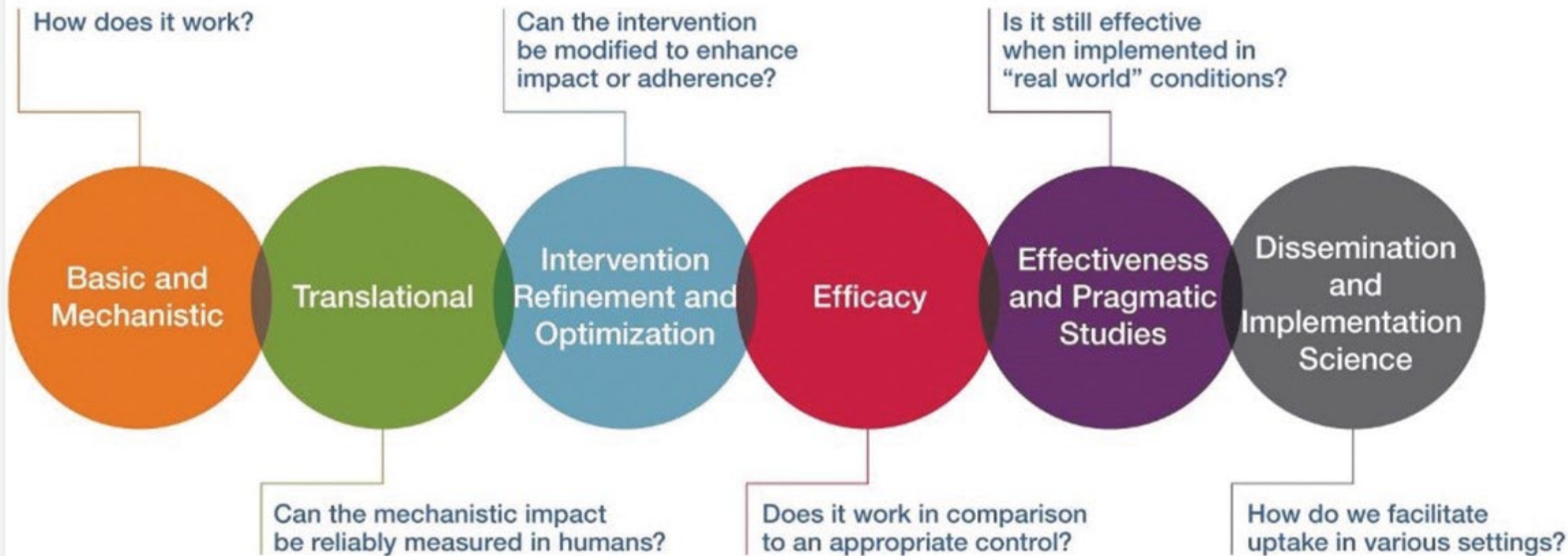


COVID-19 showed the world that knowing what to do does not ensure doing what we know.

It showed us that discovery is only the start of the scientific journey and not the end.

Proctor & Geng 2021, Science

NCCIH Framework for Clinical Research



THE JOURNAL OF ALTERNATIVE AND COMPLEMENTARY MEDICINE
Volume 27, Supplement 1, 2021, pp. S7-S13
© Mary Ann Liebert, Inc.
DOI: 10.1089/acm.2020.0446

JACM

COMMENTARY

Implementation Science Methodologies for Complementary and Integrative Health Research

David Clark, DrPH, Emmeline Edwards, PhD, Peter Murray, PhD, and Helene Langevin, MD

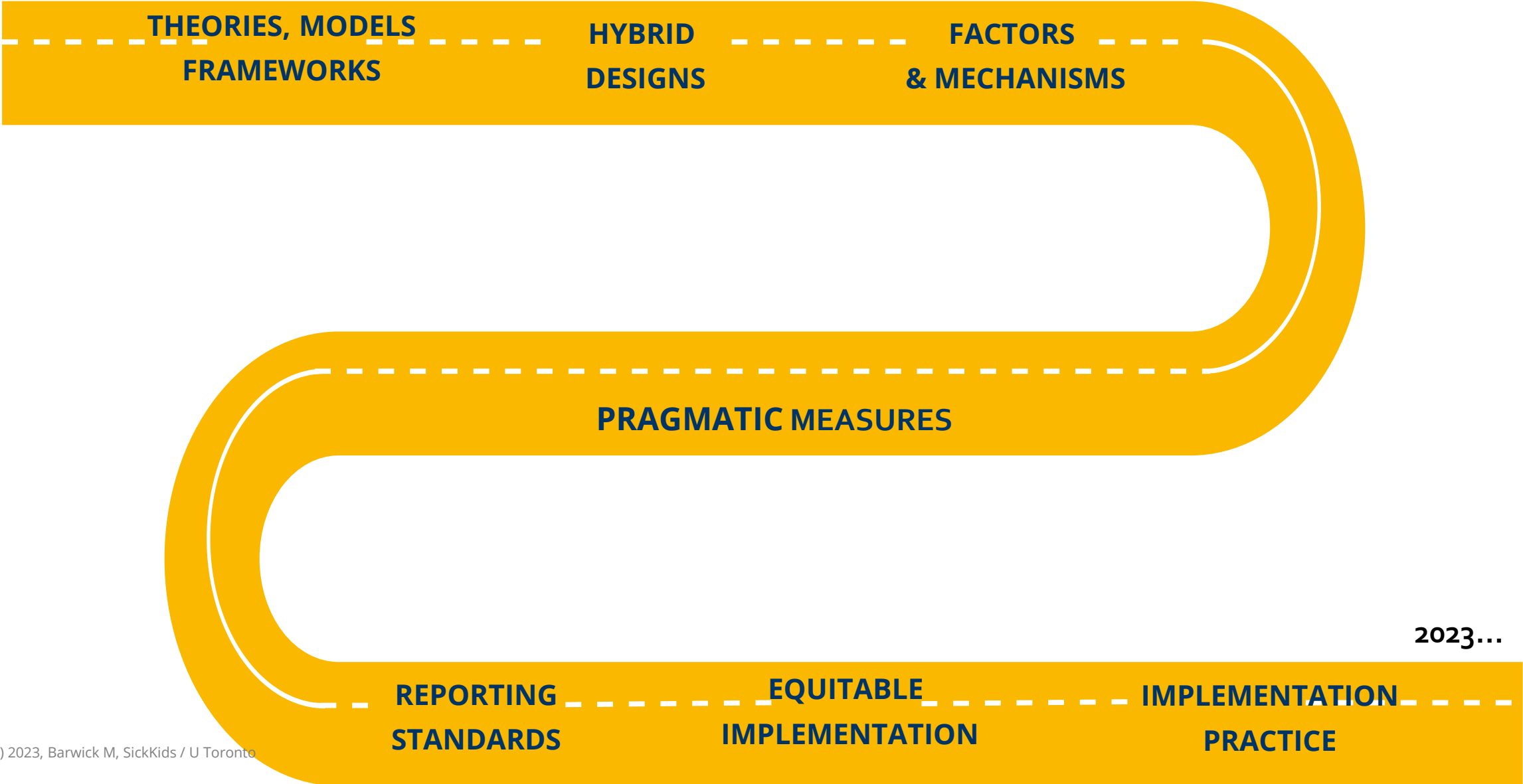
In the race to better health and well-being, the best evidence needs runners to take it up the line.





Advances in Implementation Science

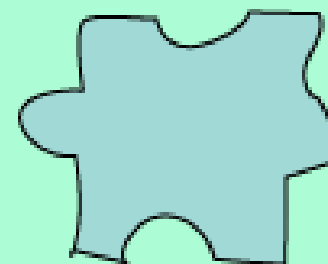
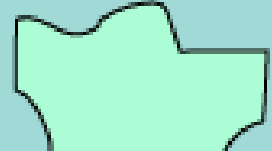
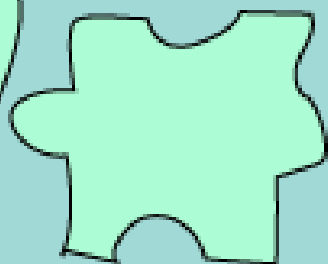
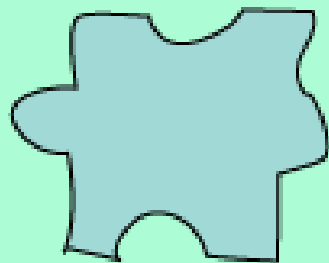
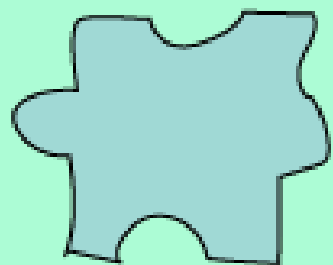
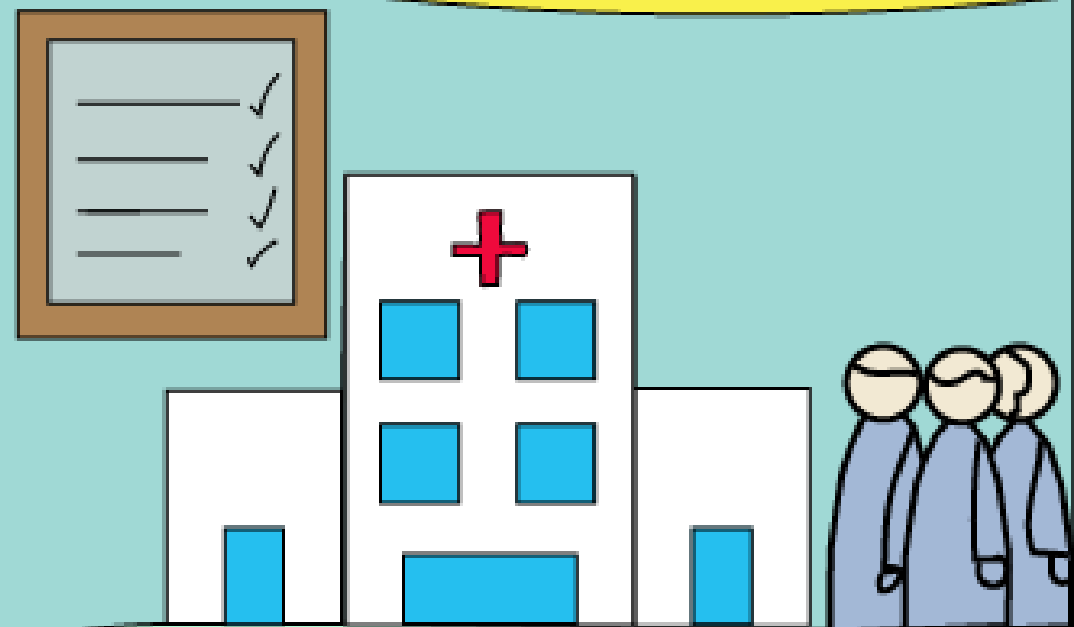
2004



WHAT WE KNOW



WHAT WE PRACTICE





Poor access to and dissemination of implementation evidence.

 **WORLDVIEWS ON
EVIDENCE-BASED NURSING**

 Sigma

Guest Editorial |  Open Access |  

Implementation of Implementation Science Knowledge: The Research-Practice Gap Paradox

Anna Westerlund PhD , Per Nilsen PhD, Linda Sundberg PhD

First published: 11 October 2019 | <https://doi.org/10.1111/wvn.12403> | Citations: 51

[The copyright line for this article was changed on October 28, 2019 after original online publication]

Article

Success rates for different types of organizational change

Martin E. Smith PhD [✉](#)

First published: 08 February 2007 | <https://doi.org/10.1002/pfi.4140410107> | Citations: 63

IS Implementation Science

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Study protocol | [Open access](#) | [Published: 22 July 2011](#)

Predicting implementation from organizational readiness for change: a study protocol

[Christian D Helfrich](#) [✉](#), [Dean Blevins](#), [Jeffrey L Smith](#), [P Adam Kelly](#), [Timothy P Hogan](#), [Hildi Hagedorn](#), [Patricia M Dubbert](#) & [Anne E Sales](#)

30-70% of health discoveries fail to take hold and have an impact.



Implementation recommendations are needed to enable sufficient change in practice to close the gap.

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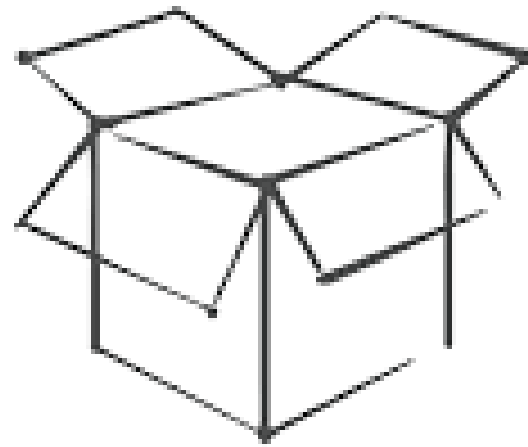
Comment | [Published: 19 November 2021](#)

Improving clinical practice guidelines with implementation science

[Mitchell N. Sarkies](#) , [Laney K. Jones](#), [Samuel S. Gidding](#) & [Gerald F. Watts](#)

[Nature Reviews Cardiology](#) 19, 3–4 (2022) | [Cite this article](#)

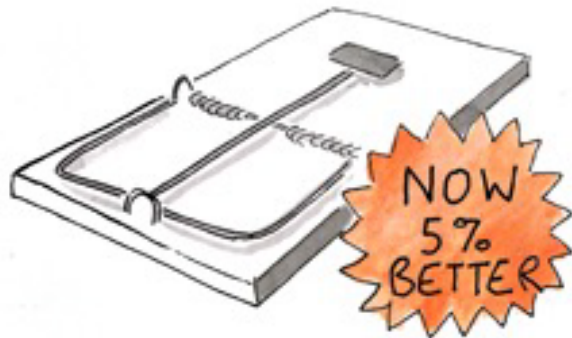
1463 Accesses | 17 Citations | 42 Altmetric | [Metrics](#)



WHAT'S **IN**
the box

Describe the core components of the intervention.	Who is involved in delivering the core component in the implementing organization?	How is each component provided in the implementing organization?	How will the implementing organization know it was delivered as intended, with fidelity?
1. Eligibility assessment			
2. Psychoeducation			
3. Measurement-based care			
4. Treatment (CBT/BPI)			
5. Medication management			
6. Caregiver support			
7. Discharge planning			

A BETTER MOUSETRAP



NOW THAT WE'VE BUILT IT,
LET'S SIT TIGHT AND
WAIT FOR THE WORLD TO
BEAT A PATH TO OUR DOOR.





We are
with
you!

Monday to Friday
12pm - 8pm

Saturday & Sunday
11am - 6pm

IKEA

Home Furnishings



What you need



Where to find it



How to access it



How to transfer to your setting



How to put it together



Change methods often focus solely on the individual. But this common “Train and Hope” approach to practice change doesn’t work.



Photo credit: nathapat iStock

Beidas, R. S., Edmunds, J. M., Marcus, S. C., & Kendall, P. C. (2012). *Psychiatric Services*, 63, 660–665.
Herschell, A. D., Kolko, D. J., Bauman, B. L., & Davis, A. C. (2010). *Clinical Psychology Review*, 30, 448–466.
Jackson, C.B., Quetsch, L.B., Brabson, L.A., & Herschell, A.D. (2018). *Administration and Policy in Mental Health and Mental Health Services Research* 45:587–610.

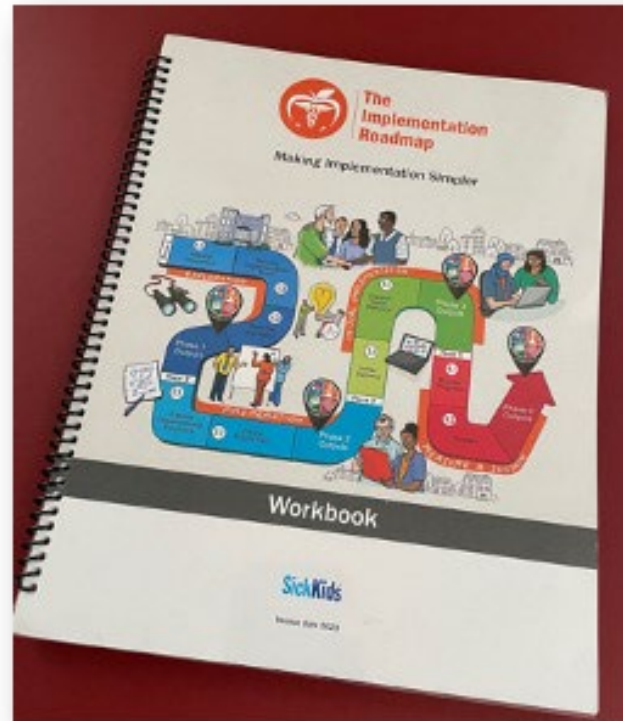
Strategies without process is problematic



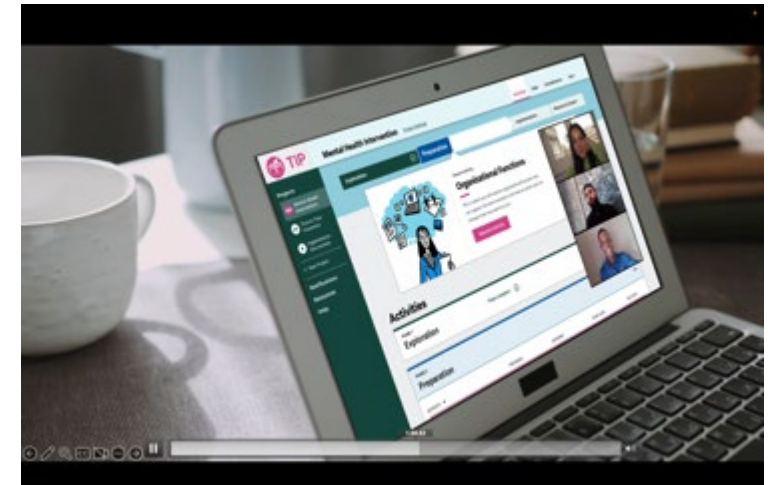
Implementation practice tools



The Implementation Game
2018



The Implementation Roadmap,
2022



The Implementation Playbook,
2023

This analogy may help you to understand implementation practice by comparing it to a common experience of cooking



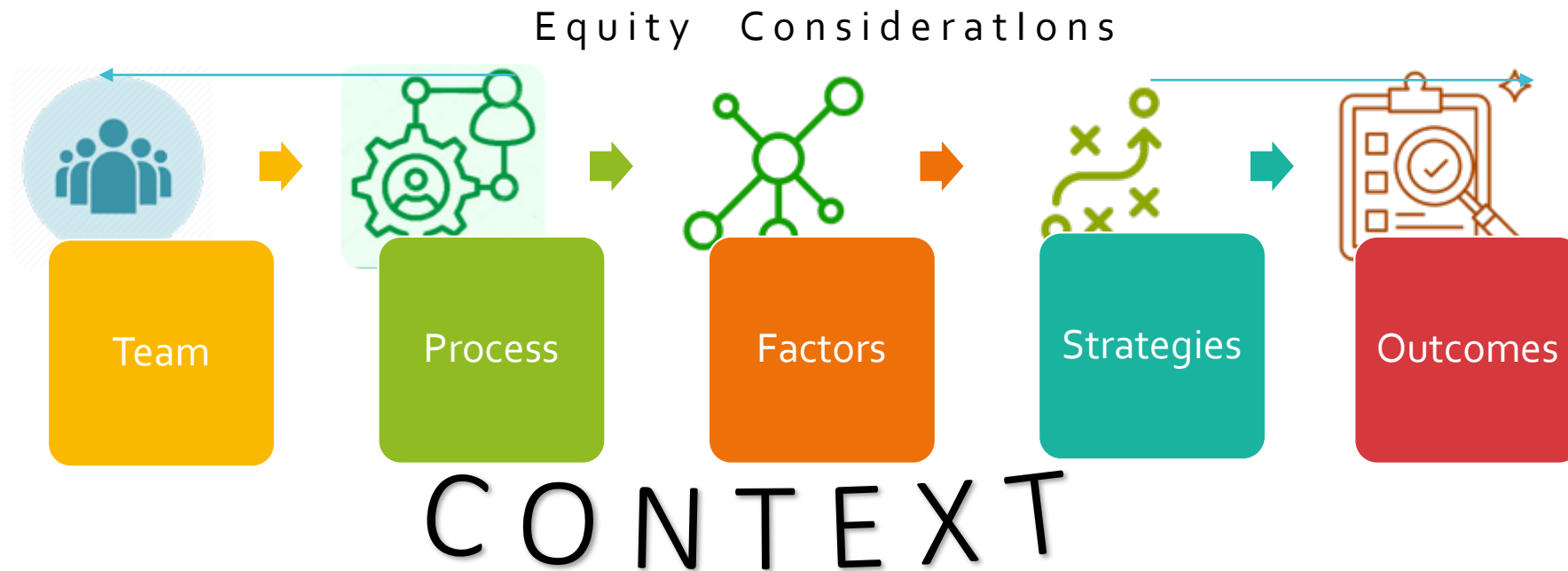
The Implementation Kitchen Analogy©

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COOKING

- Kitchen
- Structure (oven, sink)
- Cook(s)
- Recipe
- Ingredients
- Directions
- Surrounding conditions
- Strategies (blend, dice)
- Chemistry
- Substitutions
- Servers
- Diner(s)
- Appraisal



Implementation research evidence can be distilled into five core elements.



The cooks

Implementation TEAM in the implementing setting.

Comprised of staff in the implementing organization, not the purview of the researchers.

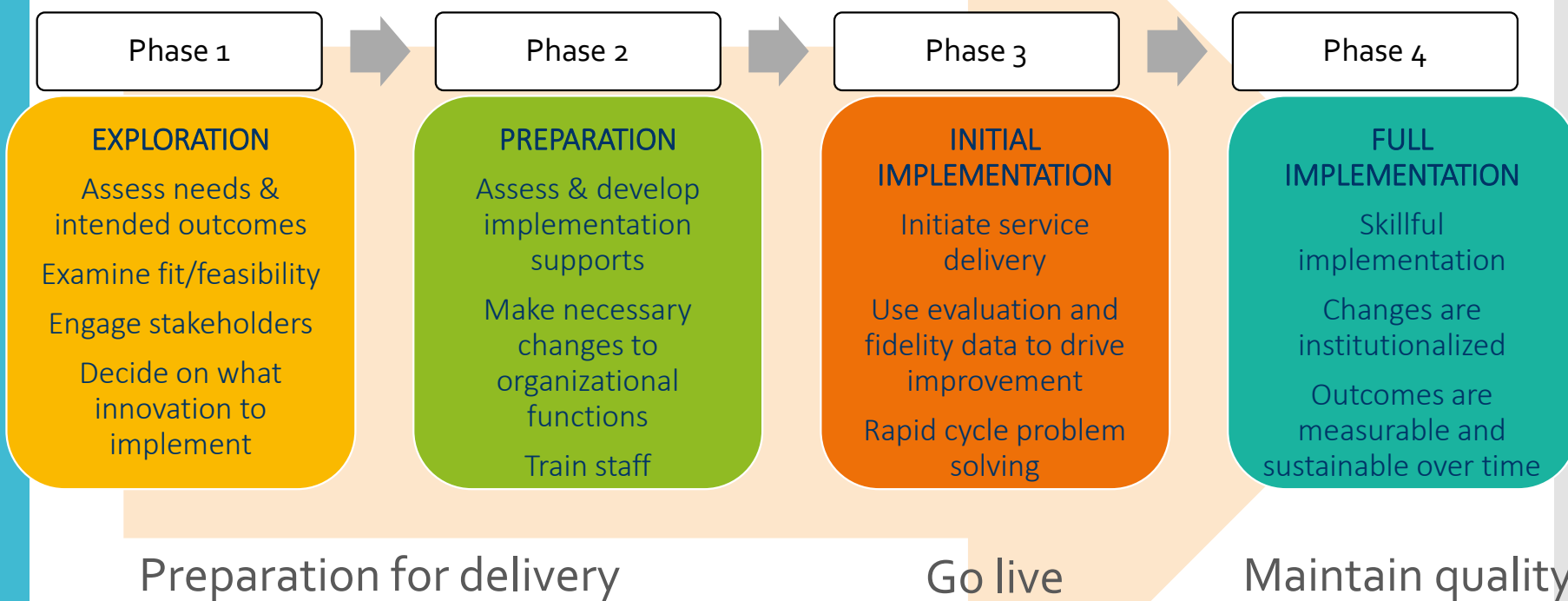


Sources: Fixsen, D.L., Naoom, S.F., Blase, K.A., Friedman, R.M., & Wallace, F. (2005). *Implementation Research: A Synthesis of the Literature*. University of South Florida, Louis de la Parte Florida Mental Health Institute, Tampa, FL, The National Implementation Research Network (FMHI Publication #231).



Active Implementation Frameworks (AIF) National Implementation Research Network

Implementation PROCESS informs action

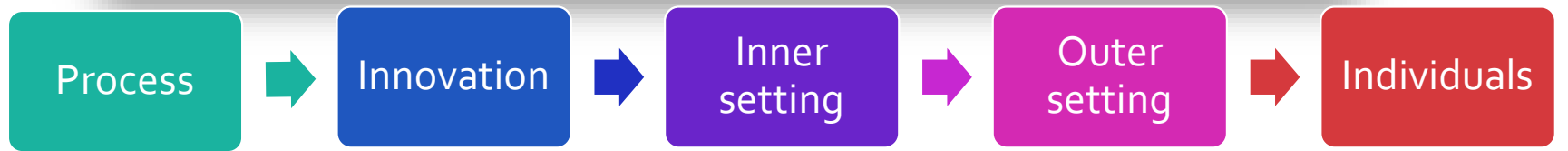


Fixsen, D.L., Naoom, S.F., Blase, K.A., Friedman, R.M., & Wallace, F. (2005). *Implementation Research: A Synthesis of the Literature*. University of South Florida, Louis de la Parte Florida Mental Health Institute, Tampa, FL, The National Implementation Research Network (FMHI Publication #231).



Consolidated Framework for Implementation Research (CFIR)

Many FACTORS can hinder or facilitate



SOURCES: 1) Damschroder LJ, Aron DC, Keith RE, Kirsh SR, Alexander JA, Lowery JC. Implement Sci. 2009 Aug 7;4:50. 2) Damschroder, L.J., Reardon, C.M., Widerquist, M.A.O. et al. Implementation Sci 17, 75 (2022). <https://doi.org/10.1186/s13012-022-01245-0>

ERIC Compilation

Strategies can mitigate barriers and serve as building blocks for implementation efforts.



SOURCE: Powell BJ, McMillen C, Proctor EK, Carpenter CR, Griffey RT, Bunker AC, Glass JE, & York JL. (2012). A compilation of strategies for implementing clinical innovations in health and mental health. *Medical Care Research and Review*, 69(2) 123–157.

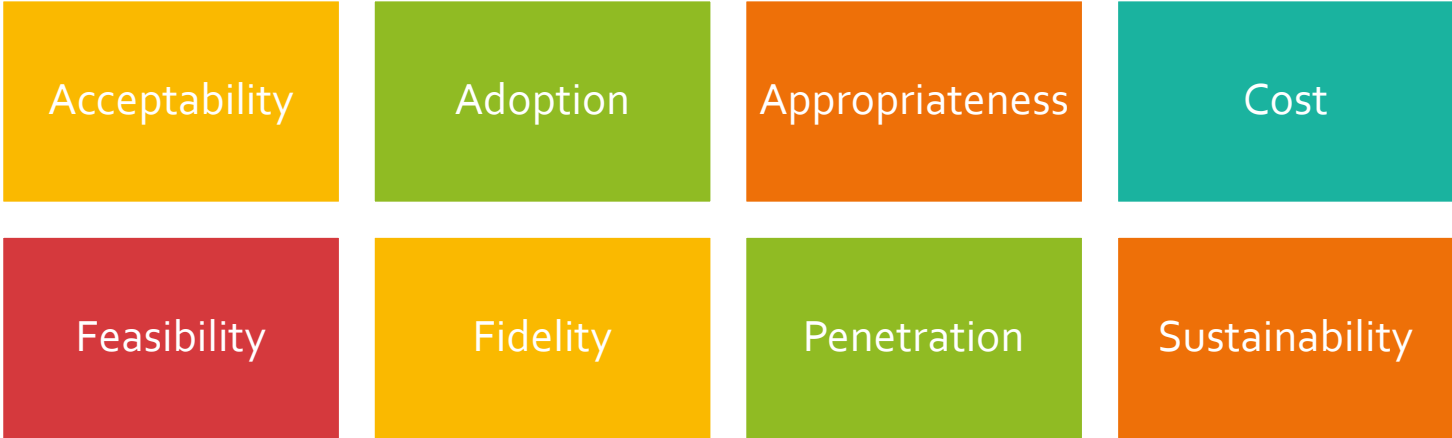
Implementation STRATEGIES



Implementation Outcomes

Implementation outcomes tell you if the implementation process was effective.

If the effort fails, we need to know if the failure occurred because the intervention was ineffective in the setting (intervention failure) or if a good intervention was deployed incorrectly (implementation failure).

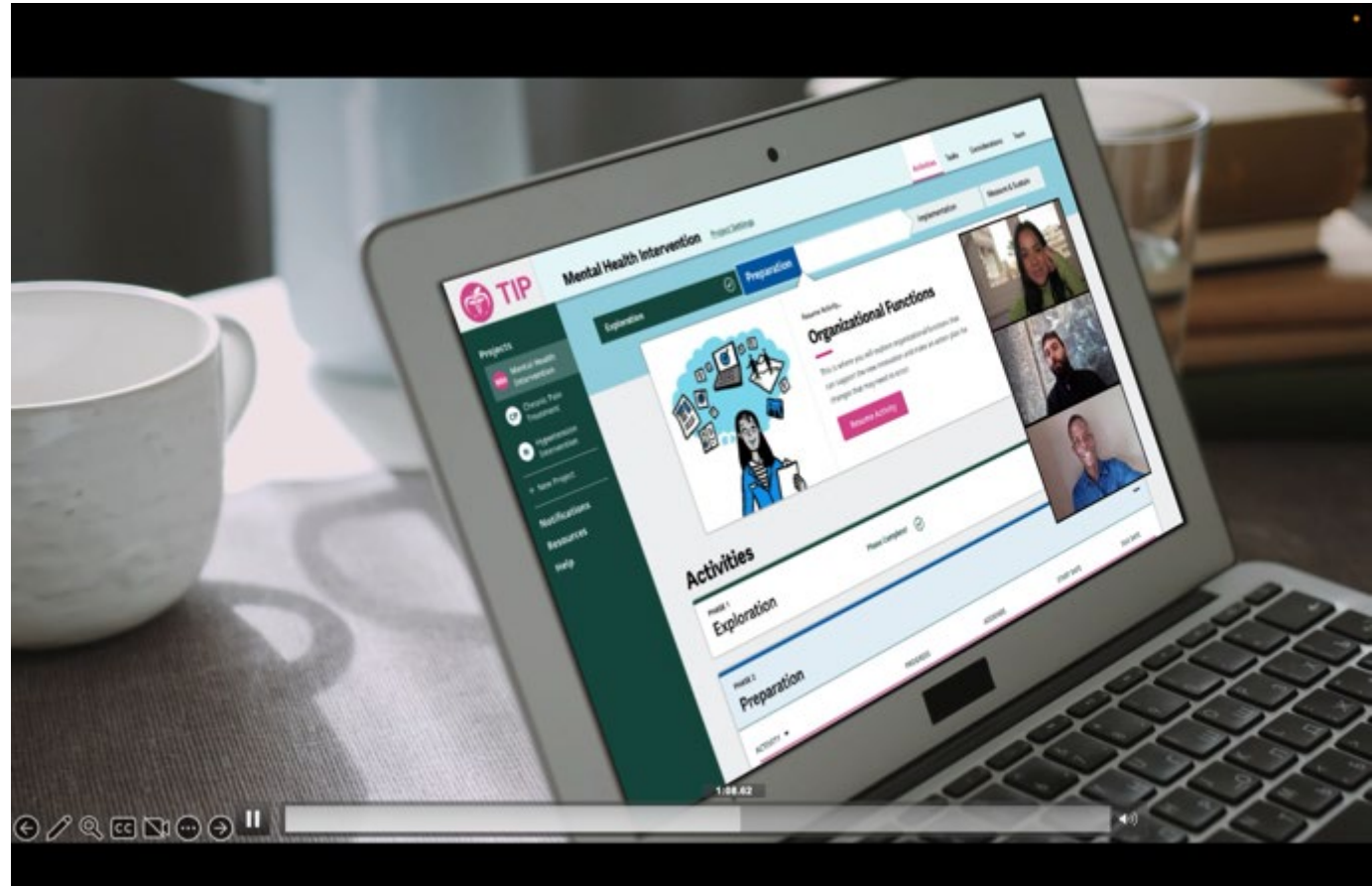


SOURCE: Proctor E, et al. Adm Policy Mental Health. 2011 Mar;38(2):65-76. doi: 10.1007/s10488-010-0319-7. PMID: 20957426; PMCID: PMC3068522. Implementation Outcomes Taxonomy

The Implementation Playbook© (digital software)

A totally awesome idea that is still being worked on!

A digital tool blending implementation science + project management



Objectives



The Implementation Playbook

Develop a testable minimum viable prototype of the Implementation Playbook software

Explore the prototype's usability and feasibility with six healthcare organizations.



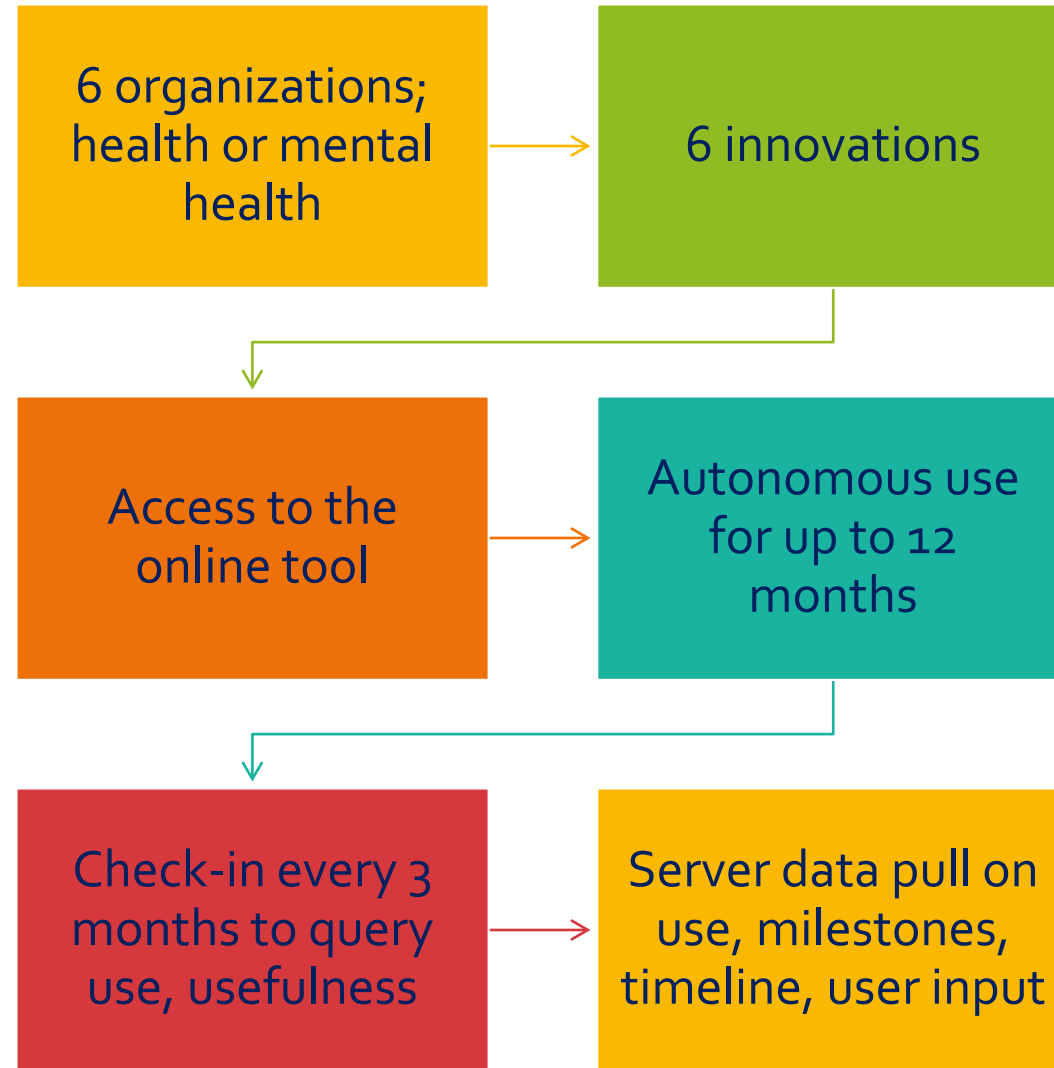
The Implementation Playbook

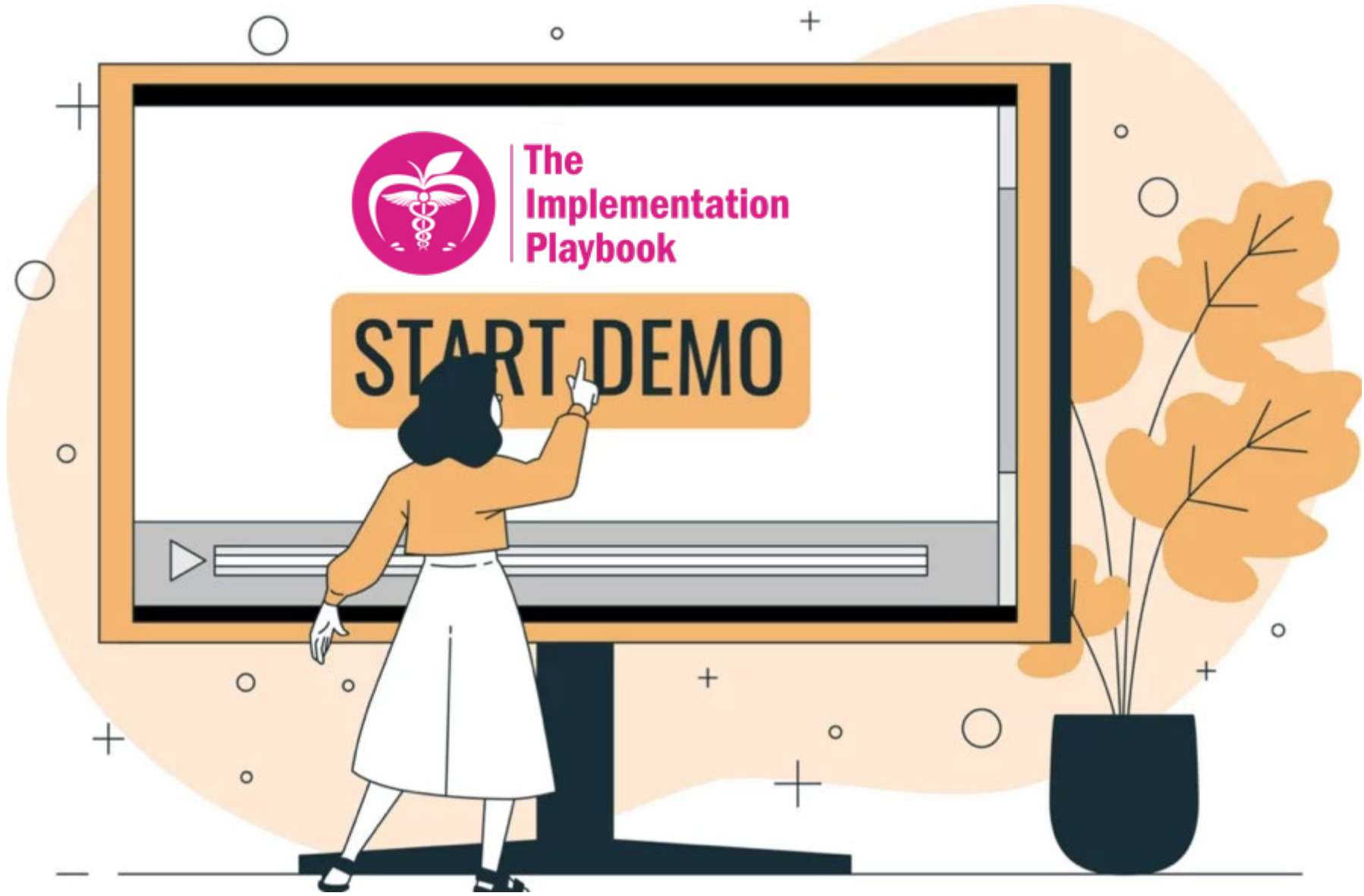
Results will produce a prototype platform and contribute to our understanding of whether the Playbook can feasibly support implementation, what revisions may be needed, and whether it can be used autonomously (without in-person facilitation) in different healthcare contexts and with different EBIs.



Site	User Type & Organization Name	EBI Delivery Mode	Type of Implementation Support	EBI
1	CYMH Community Agency	In person	Playbook alone	InterRAI
2	MH Treatment Facility	In person	Playbook alone	Service Model
3	Pediatric Hospital	eHealth technology	Playbook alone	Quality Improvement Plan
4	Hospital	In person	Playbook alone	Nursing Model
5	EBP Purveyor & Client	eHealth technology	Playbook + support	SNAP
6	Implementation Facilitator & Client	In person	Playbook + support	Ontario Perception of Care Tool for Mental Health (OPOC)

METHOD





The
Implementation
Playbook

START DEMO



Unless we focus on how groundbreaking innovations are implemented – who will use them, where, and how - discoveries developed today will not be routinely used in practice and other settings until 2040 – 17 years* from today – if at all.

Balas & Boren, 2000

Image credit: fizkes, iStock





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