



Moving Neurologic Informed Care Into Behavioral Health Systems by Leveraging the Science of Implementation

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Mental Health After Traumatic Brain Injury – From Evidence to Integrated Care
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Disclosures

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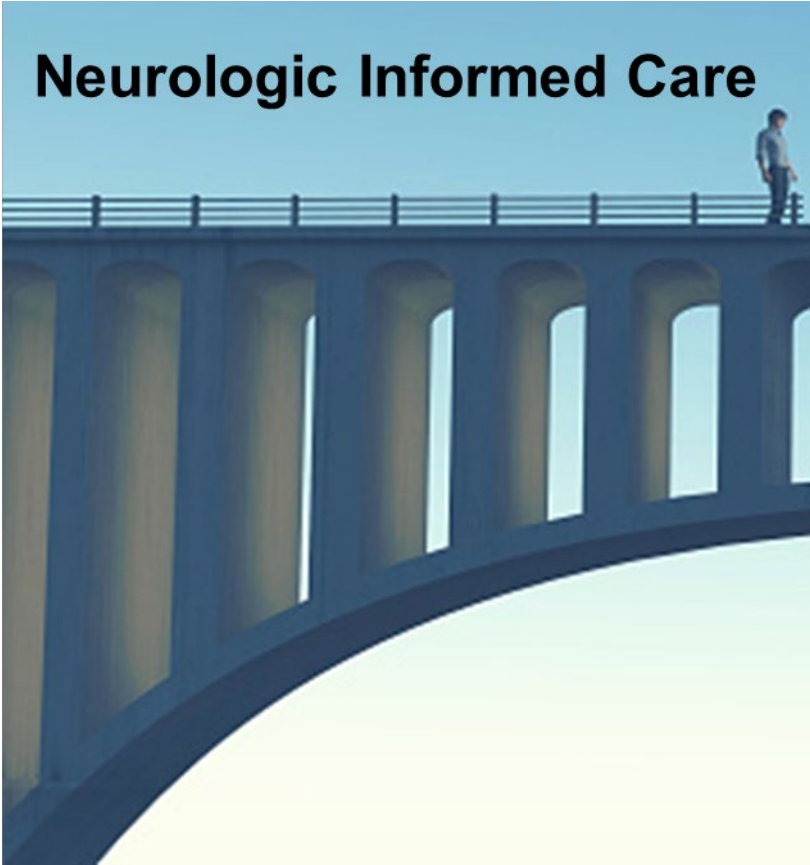
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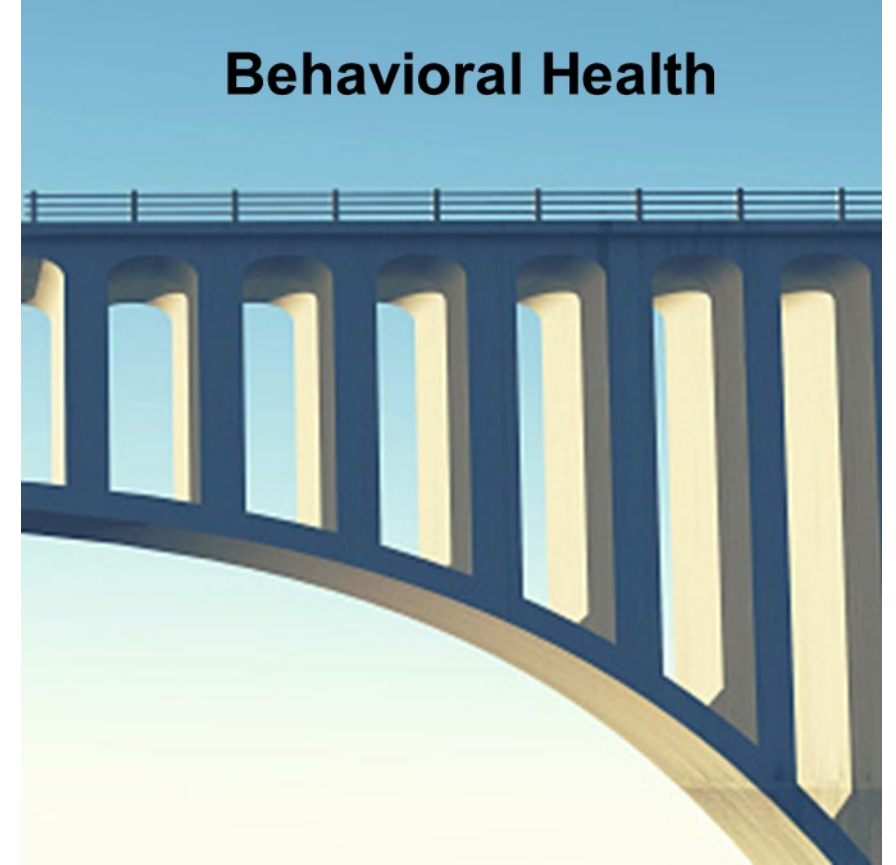
Leveraging Implementation Science to Close the Divide

Neurologic Informed Care



**Quality
Chasm**

Behavioral Health

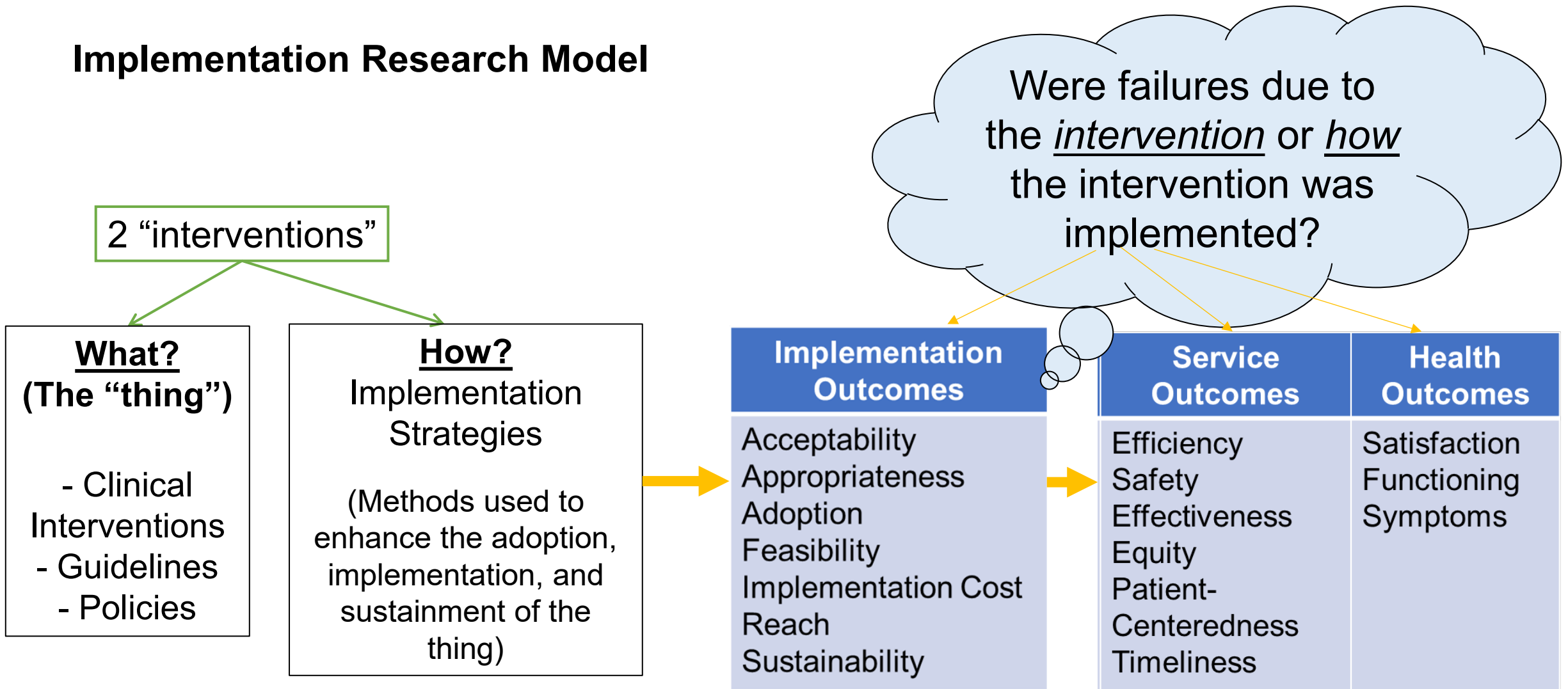




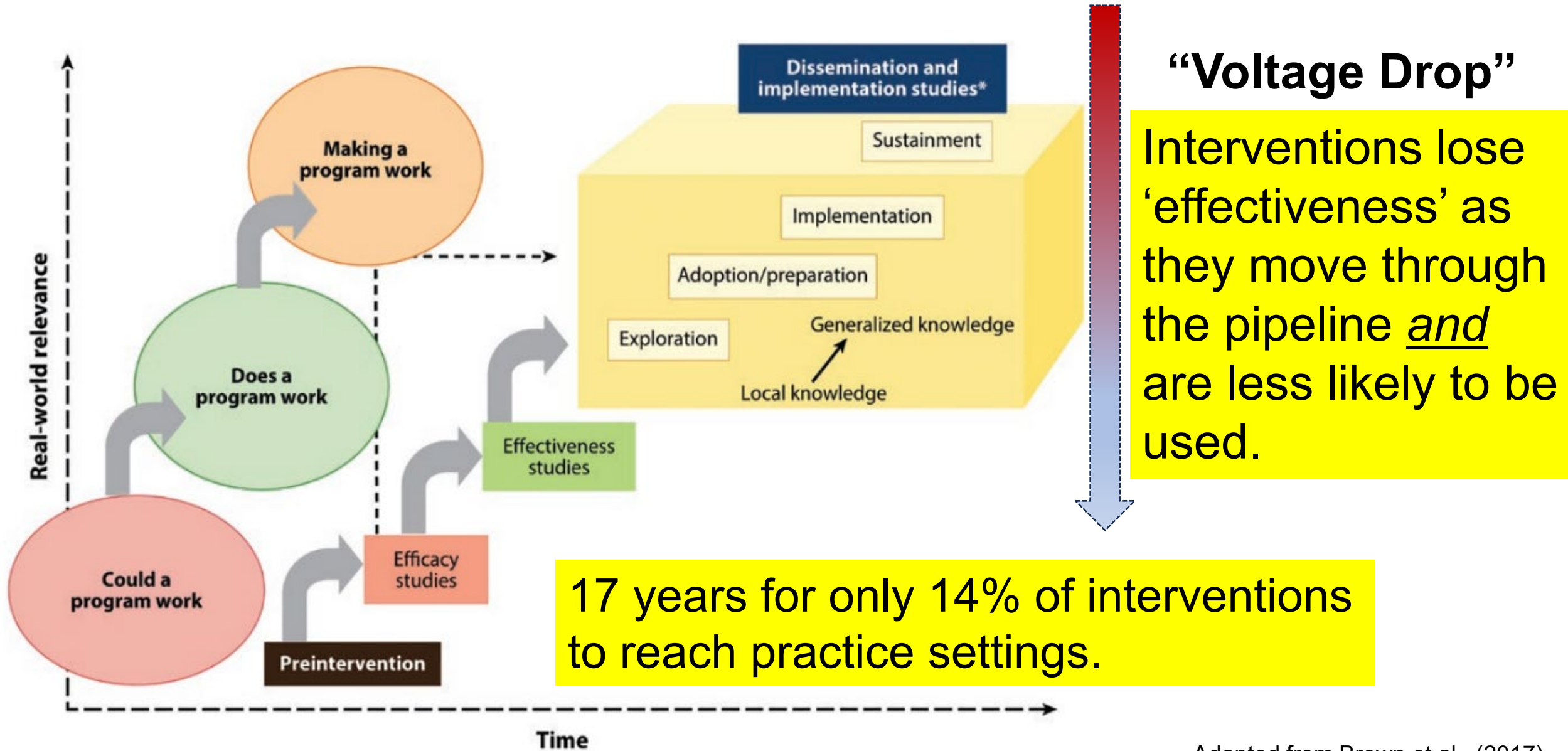
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Implementation Research Model

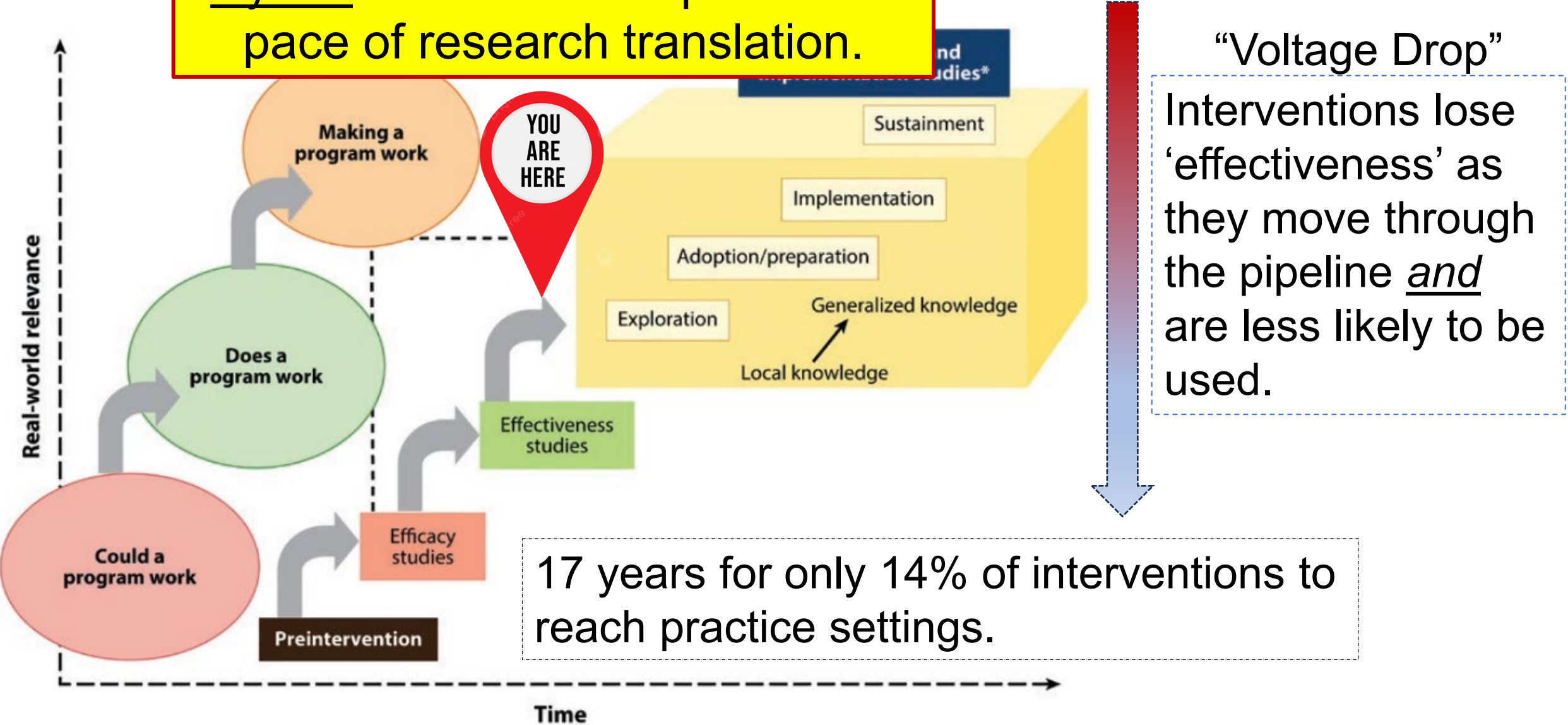


Evidence Translation Pipeline




Evidence Translation Pipeline

Hybrid studies can expedite the pace of research translation.




Early evidence that implementation strategies can improve implementation and intervention effectiveness....




Implementation
Research & Practice

Original Empirical Research

The implementation and sustainment facilitation strategy improved implementation effectiveness and intervention effectiveness: Results from a cluster-randomized, type 2 hybrid trial

Bryan R Garner¹ , Heather J Gotham², Michael Chaple³, Steve Martino⁴, James H Ford II⁵ , Mathew R Roosa⁶, Kathryn J Speck⁷, Denna Vandersloot⁸, Michael Bradshaw¹, Elizabeth L Ball¹, Alyssa K Toro¹, Christopher Griggs¹ and Stephen J Tueller¹

Implementation Research and Practice
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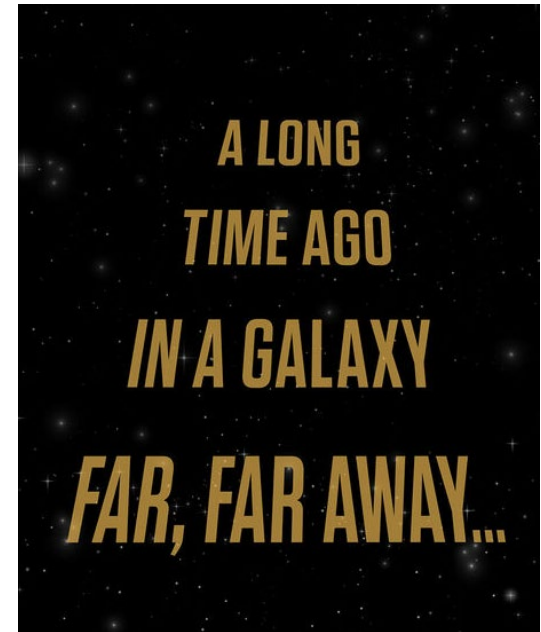
The Practice Gap: TBI Screening in Behavioral Health Settings

Tenet 1: About 60% of clients who seek behavioral health treatment have sustained at least one TBI in their lifetime.

Tenet 2: Screening for TBI is the first step to determine which clients need additional support (e.g., accommodations).

Tenet 3: Evidence-based TBI screening methods/tools exist, but are not used broadly in practice.

Why not and what can we do about it?





Coxe-Hyzak et al.
Implementation Science Communications (2022) 3:17
<https://doi.org/10.1186/s43058-022-00261-x>

Implementation Science
Communications

STUDY PROTOCOL

Open Access

Implementing traumatic brain injury screening in behavioral healthcare: protocol for a prospective mixed methods study



Kathryn A. Coxe-Hyzak^{1*}, Alicia C. Bunger¹, Jennifer Bogner², Alan K. Davis^{1,3,4} and John D. Corrigan^{2,5}

- Longitudinal, mixed methods
 - Time 1
 - Trained providers on why and how to screen for TBI
 - Survey asking about attitudes and intentions to screen for TBI
 - Time 2
 - Survey asking the number of screens conducted over 1-month
- N = 215 providers from 25 organizations across 31 states
- N = 25 participated in an interview





Check for updates

Original Empirical Research

Implementation Research and Practice
Volume 7: Jan-Dec 2026 1-16
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Examining Interrelationships Between Imp Co Scr Tre

Hyzak et al. *Implementation Science* (2023) 18:35
<https://doi.org/10.1186/s13012-023-01289-w>

Implementation Science

RESEARCH Open Access

Implementing traumatic brain injury
screening in behavioral health treatment

Kath

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mixe

Kathryn A



- ✓ Positive attitudes toward screening
- ✓ High feasibility, acceptability, appropriateness

Only 25% screened for TBI at least once over 1-month period.

J Head Trauma Rehabil
Vol. 00, No. 0, pp. 1-14
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Identifying Barriers and Implementation Strategies to Inform TBI Screening Adoption in Behavioral Healthcare Settings

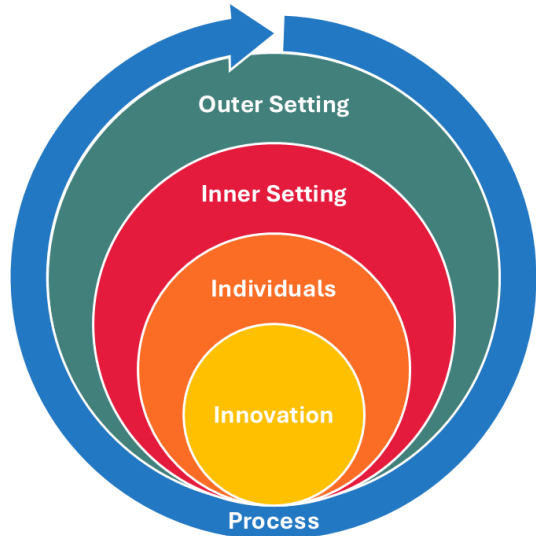
Kathryn A. Hyzak, PhD; Alicia C. Bunger, PhD, MSW; Jennifer A. Bogner, PhD, FACRM, ABPP; Alan K. Davis, PhD

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- Knowledge of brain injury
- Organizational readiness
- Leadership engagement
- Organizational resources
- Low priority
- **What to do after a positive screen?**

CFIR/ERIC



Damschroder et al., (2009)

TABLE 4 *Implementation strategy recommendations and potential mechanisms on TBI screening adoption*

Strategy	% Match	Mechanism
Identify and prepare champions	244%	Build buy-in building; increase priority
Alter incentive/allowance structures	234%	Improve motivations
Inform local opinion leaders	160%	Improve awareness of and solutions to the problem; increase leadership engagement
Build a coalition	152%	Increase awareness to influence policy mandates
Access new funding	151%	Improve resources needed to implement the intervention
Conduct local consensus discussions	148%	Build leadership buy-in
Involve executive boards	141%	Persuade state-level policy change
Capture and share local knowledge	136%	Improve awareness of the problem;
Conduct educational meetings	130%	Knowledge and skill development
Assess for readiness and identify determinants	124%	Pinpoint high-need change areas
Identify early adopters	118%	Increase awareness of spread
Fund and contract for the clinical innovation	111%	Promote motivation
Create a learning collaborative	100%	Improve knowledge sharing
Conduct local needs assessment	100%	Build leadership buy-in

+ Facilitation

+ Audit & Feedback

Implementation of Neurologic Informed Care in Substance Use Treatment: A Hybrid Type 2 Effectiveness-Implementation Pilot Trial



Study: #1K01DA060881-01A1

ClinicalTrials.gov <https://clinicaltrials.gov/study/NCT07215221>



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**Hybrid
Type 2**



Neurologic Informed Care (the “thing”)

- Brain injury + symptom screen
- Educational Sheet
- Cognitive compensatory strategies

Hybrid Type 2:
test clinical
intervention &
implementation
strategy



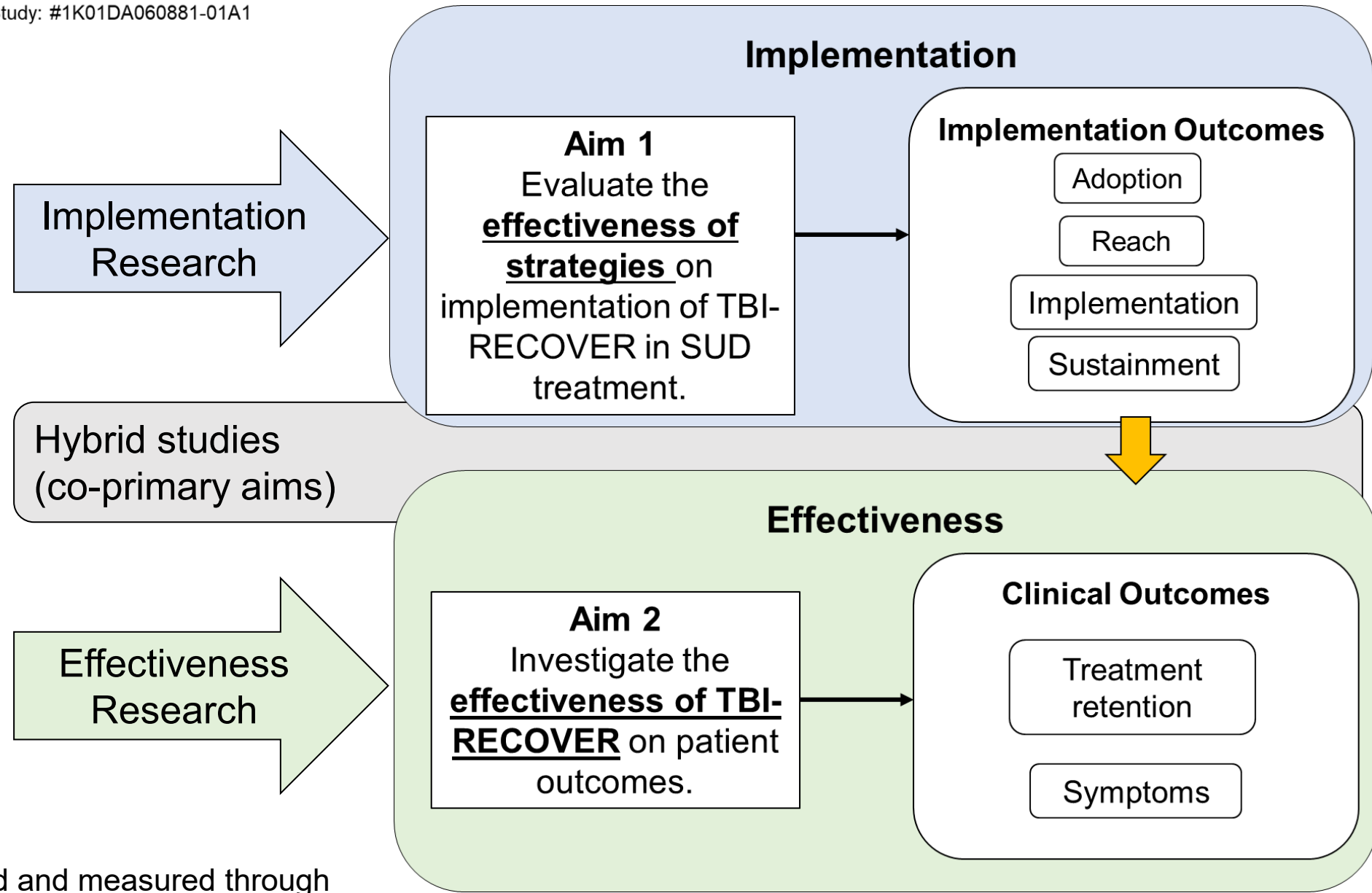
Implementation Strategies (the “how”)

- Training/education
- Champions
- Facilitation
- Audit & feedback



Implementation Research Logic Model for the Hybrid Type 2 study





*Outcomes are defined and measured through the RE-AIM framework (Glasgow et al. 2019)

Pragmatic Trial Approach

Setting

- Outpatient substance use disorder treatment clinic
 - 22 clinicians
 - > 500 clients served annually

Participants

2 units of analysis

N = 22 providers will receive the implementation strategies & deliver the interventions.

Clients entering SUD treatment will receive screening only vs. TBI-RECOVER as standard of care.

✓ Electronic health record leveraged for primary patient outcomes.

1

Key Message

Start slow in order to go fast.



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2

Key Message

Leverage the two decades of existing implementation research!

If I have seen further, it is by standing **on the shoulders of giants.**



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3

Key Message

Neurologic Informed Care is a promising approach to improving care, BUT

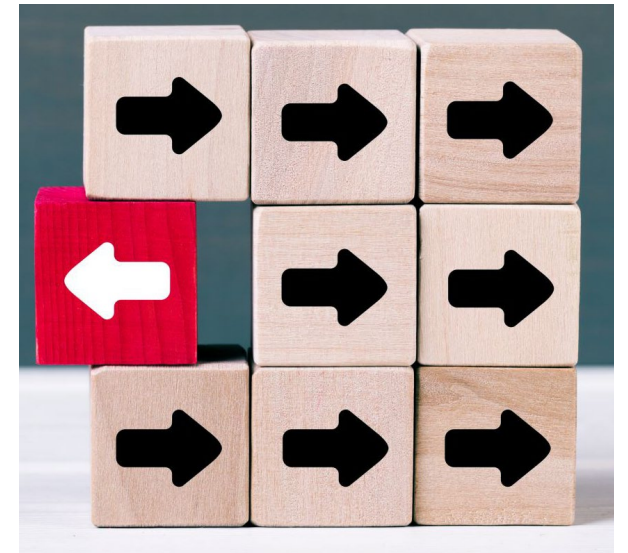
- What are the **outcomes** we want to address?
- **How** does Neurologic Informed Care work to achieve these outcomes?



4

Key Message

Delineate intervention components from implementation strategy components



THANK YOU!



Addressing Traumatic Brain Injury as a Missing Link in Substance Use Disorder Treatment Equity and Effectiveness

By [Implementation Research Institute \(IRI\)](#) | March 5, 2026



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National Institute
on Drug Abuse



National Institute of
Neurological Disorders
and Stroke



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