C-DIAS Center for Dissemination & Implementation At Stanford

RASC Research Adoption Support Center

How Can Effectiveness Studies Increase the Potential for Real-World Impact?

The Public Health Problem

Effectiveness research focuses on evaluating whether an intervention, program or service improves patient outcomes. The outcomes typically involve symptom reduction or improved functioning. Yet traditional effectiveness studies do not measure what the potential might be for the intervention, program or service to be implemented in routine care settings.

Therefore it is quite possible, and true more often than not, that an intervention, even if found to be effective, is never translated into actual practice.

Background

Implementation outcomes measure how much and how well an intervention is put into practice. They span eight areas, including **acceptability**, **adoption**, **appropriateness**, **feasibility**, **fidelity**, **implementation cost**, **penetration (reach)**, and **sustainability**. These outcomes can explain intervention success or failure but are often measured inconsistently or omitted due to limited time, resources, and guidance.

What This Article Addresses

This article provides a practical, easy-to-follow guide to why, when, and how to measure implementation outcomes, so effectiveness researchers can embed them in their study plans during the planning stage.

What They Did *(Methods)*

An expert workgroup from the National Institutes of Health (NIH) Helping to End Addiction Long-term (HEAL) Initiative's Data2Action program built a consensus-based resource guide grounded in Proctor's Implementation Outcomes Framework.

What They Discovered *(Findings)*

Implementation measures help explain why interventions succeed or fail. Weak results may indicate a need to redesign the intervention or change how it is delivered, and implementation data can help determine which is needed.

Using both quantitative and qualitative methods gives the fullest picture. Surveys can indicate whether an intervention achieved its intended outcomes, while interviews can help explain the reasons behind those results.

Shared, consistent terminology speeds the translation of effective interventions into real-world practice. It gives researchers and implementers a common language for communicating about how interventions are adopted, delivered, and evaluated.

Opportunities for Action

The study findings highlight opportunities for:

Health Care Leaders & Providers

- Share candid feedback on whether an intervention is appropriate and feasible in the target setting.
- Use implementation data to troubleshoot and adjust delivery during a study.

Payors

- Fund studies that track implementation outcomes alongside effectiveness.
- Prioritize observable, system-level outcomes, such as reach, cost, and sustainability, that inform resource decisions.

Researchers

- Build implementation outcomes into study plans from the start of the research process.
- Use consistent terminology and clearly describe how each outcome is measured.

Patients & Families

- Ask whether a program can be sustained long-term in the community.
- Provide feedback on whether an intervention is acceptable and fits community needs.

This work was supported by grants P50DA054072 and 1U2CDA057717 from the National Institute on Drug Abuse, National Institutes of Health.

Wesolowicz, D. M., Becker, W. C., Alegria, M., Chin-Purcell, L., Glass, J. E., Knudsen, H. K., Dow, P. M., Seal, K. H., & McGinty, E. B. (2025). Integrating implementation outcomes into effectiveness studies: A practical guide for clinical interventionists. *Journal of General Internal Medicine, 40*(10), 2376–2382. https://doi.org/10.1007/s11606-025-09551-1