

The Consolidated Framework for Implementation Research (CFIR) Tools & Resources: **Current and Future Plans**

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The views expressed in this presentation are my own and do not reflect the position or policy of the Department of Veterans Affairs or the United States government

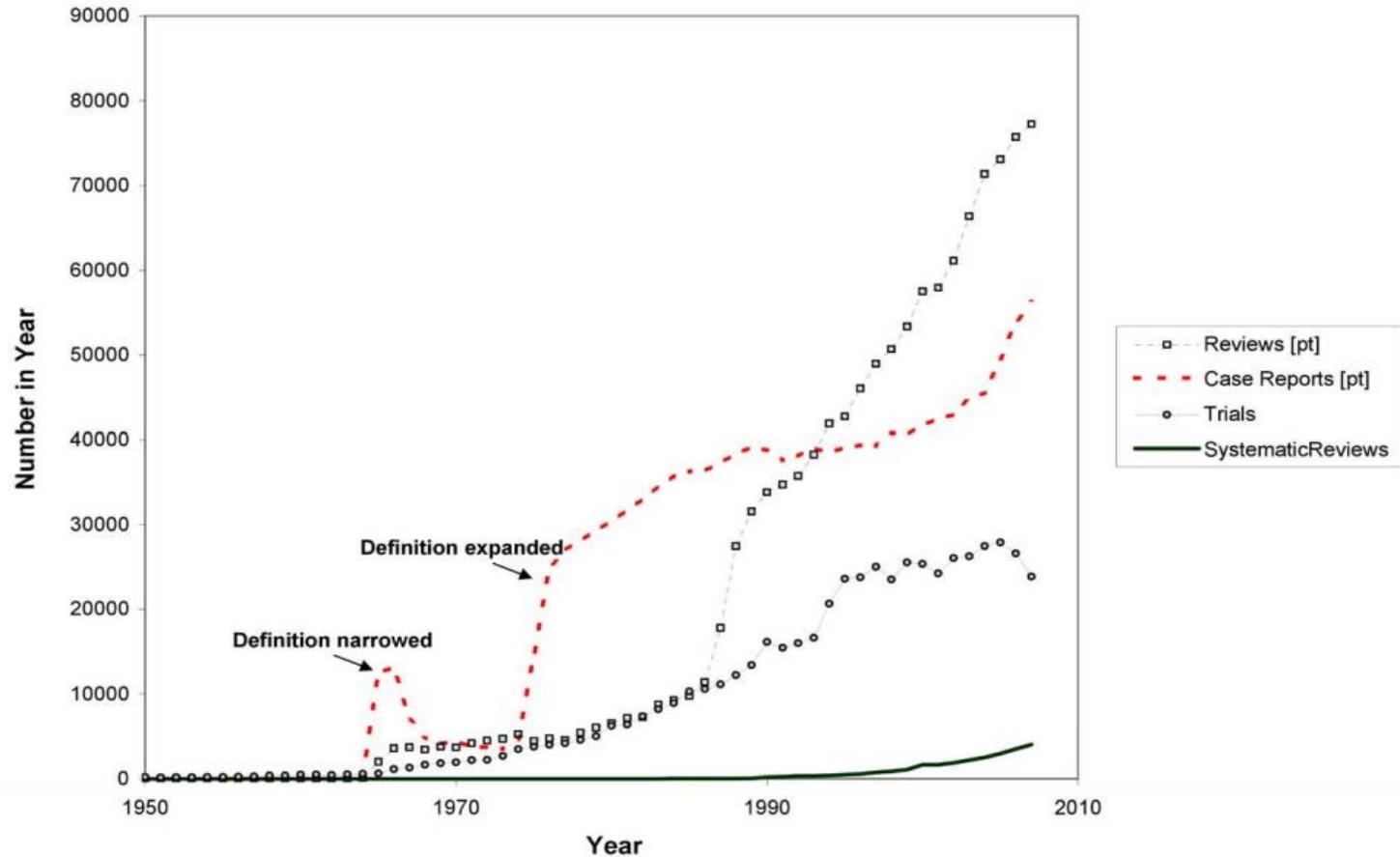
VA QUERI CyberSeminar

2 April 2015

POLL Question #1

- Are you a researcher or practitioner or both?
(select one)
 - I conduct research studies
 - I am a program implementer and/or conduct quality initiatives
 - I do some of both
 - None of the above

Proliferation of Reviews



State of Knowledge

- Science in reverse?
 - Inconsistent use of terms & definitions
 - Theory used as heuristic
- Stagnant science?
 - Persistent gaps in knowledge

e.g.,

Helfrich CD, Damschroder LJ, Hagedorn HJ, et al. A critical synthesis of literature on the promoting action on research implementation in health services (PARIHS) framework. *Implementation science : IS*. 2010;5(1):82

Larsen, K. R., Voronovich, Z. A., Cook, P. F., & Pedro, L. W. (2013). Addicted to constructs: science in reverse? *Addiction* (Abingdon, England), 108(9), 1532–3.

Ivers, N. M., Grimshaw, J. M., Jamtvedt, G., Flottorp, S., O'Brien, M. A., French, S. D., ... & Odgaard-Jensen, J. (2014). Growing Literature, Stagnant Science? Systematic Review, Meta-Regression and Cumulative Analysis of Audit and Feedback Interventions in Health Care. *Journal of general internal medicine*, 1-8.

Power of Theory

- Organizing framework for research studies
- Build scientific knowledge base
 - Context, mechanisms of action
 - Generalize through theory
 - Syntheses
- Provides common terms & definitions
- Efficient way to systematically build collective knowledge

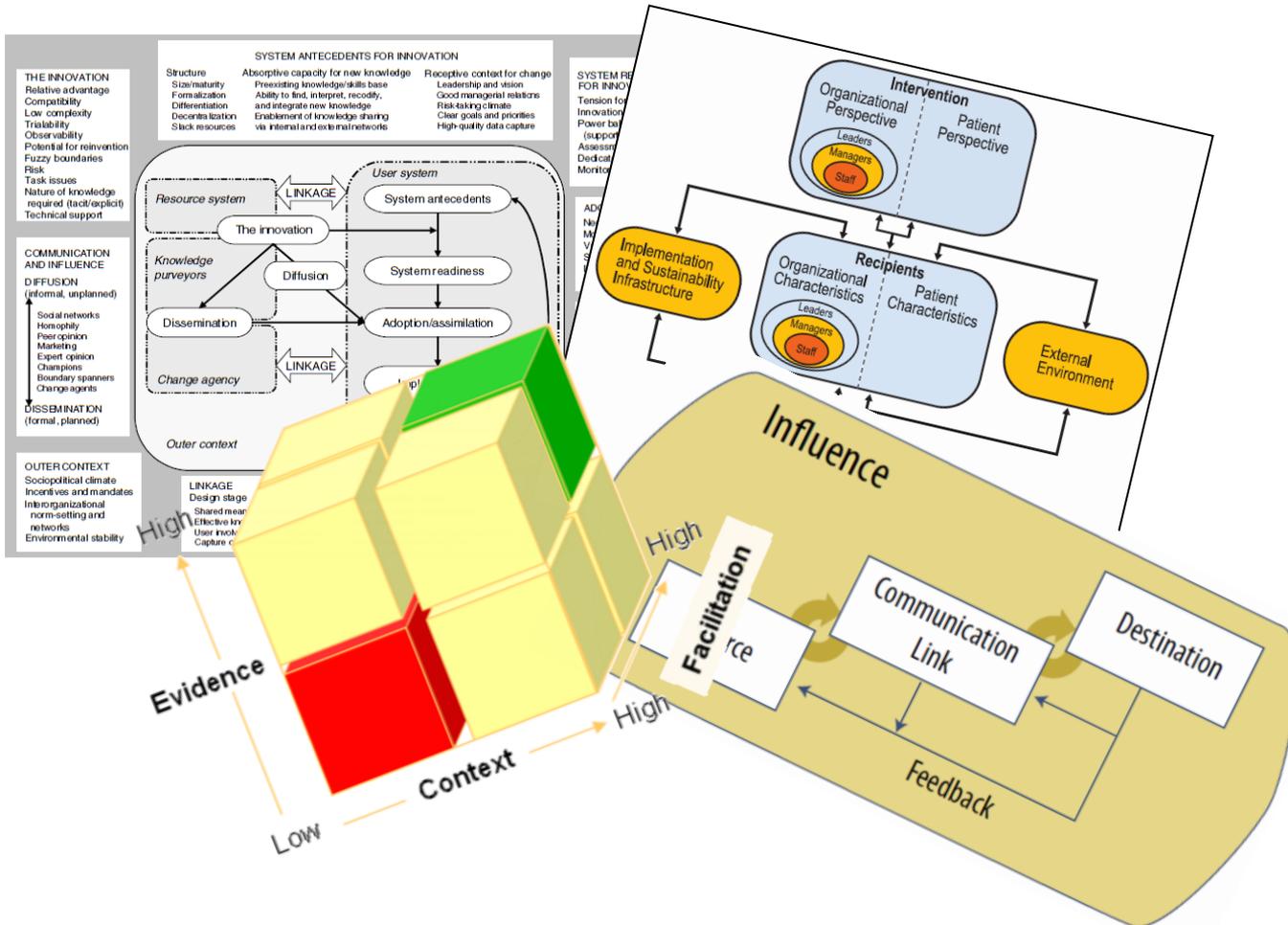
Colquhoun, H., Leeman, J., Michie, S., Lokker, C., Bragge, P., Hempel, S., ... Grimshaw, J. (2014). Towards a common terminology: a simplified framework of interventions to promote and integrate evidence into health practices, systems, and policies. *Implementation Science*, 9, 51.

Foy R, Ovretveit J, Shekelle PG, et al. The role of theory in research to develop and evaluate the implementation of patient safety practices. *Quality & safety in health care*. Feb 11 2011.

What is theory?

- ...tested general propositions...regarded as correct, that can be used as principles of explanation and prediction
 - Theory of Evolution
- Any account that asserts a meaningful interaction between two entities
 - “If I do this...then that will happen”
 - “That happened because ...”

So many models...frameworks...theories



A Sampling of Recent Catalogues & Frameworks

1. Tabak, R. G., Khoong, E. C., Chambers, D. A., & Brownson, R. C. (2012). Bridging research and practice: models for dissemination and implementation research. *American Journal of Preventive Medicine*, 43(3), 337-350. doi: 10.1016/j.amepre.2012.05.024
2. Flottorp, S. A., Oxman, A. D., Krause, J., Musila, N. R., Wensing, M., Godycki-Cwirko, M., . . . Eccles, M. P. (2013). A checklist for identifying determinants of practice: A systematic review and synthesis of frameworks and taxonomies of factors that prevent or enable improvements in healthcare professional practice. *Implement Sci*, 8, 35. doi: 10.1186/1748-5908-8-35
3. Meyers, D. C., Durlak, J. A., & Wandersman, A. (2012). The quality implementation framework: a synthesis of critical steps in the implementation process. *American Journal of Community Psychology*, 50(3-4), 462-480. doi: 10.1007/s10464-012-9522-x
4. Cane, J., O'Connor, D., & Michie, S. (2012). Validation of the theoretical domains framework for use in behaviour change and implementation research. *Implement Sci*, 7(1), 37. doi: 10.1186/1748-5908-7-37
5. Michie, S., M. Richardson, M. Johnston, C. Abraham, J. Francis, W. Hardeman, M.P. Eccles, J. Cane, and C.E. Wood, The Behavior Change Technique Taxonomy (v1) of 93 Hierarchically Clustered Techniques: Building an International Consensus for the Reporting of Behavior Change Interventions. *Annals of Behavioral Medicine*, 2013.

Consolidated Framework for Implementation Research (CFIR)

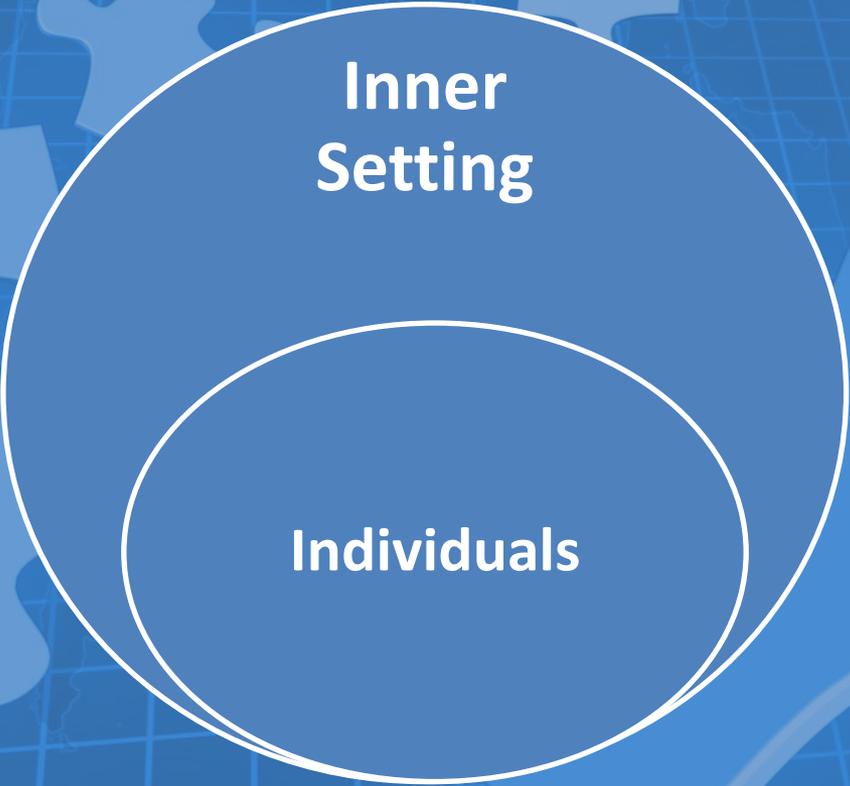
- A comprehensive framework to promote consistent use of constructs, terminology, and definitions
 - Consolidate existing models and frameworks
 - Comprehensive in scope
 - Tailor use to the setting

Intervention Characteristics



Individuals

Intervention Characteristics

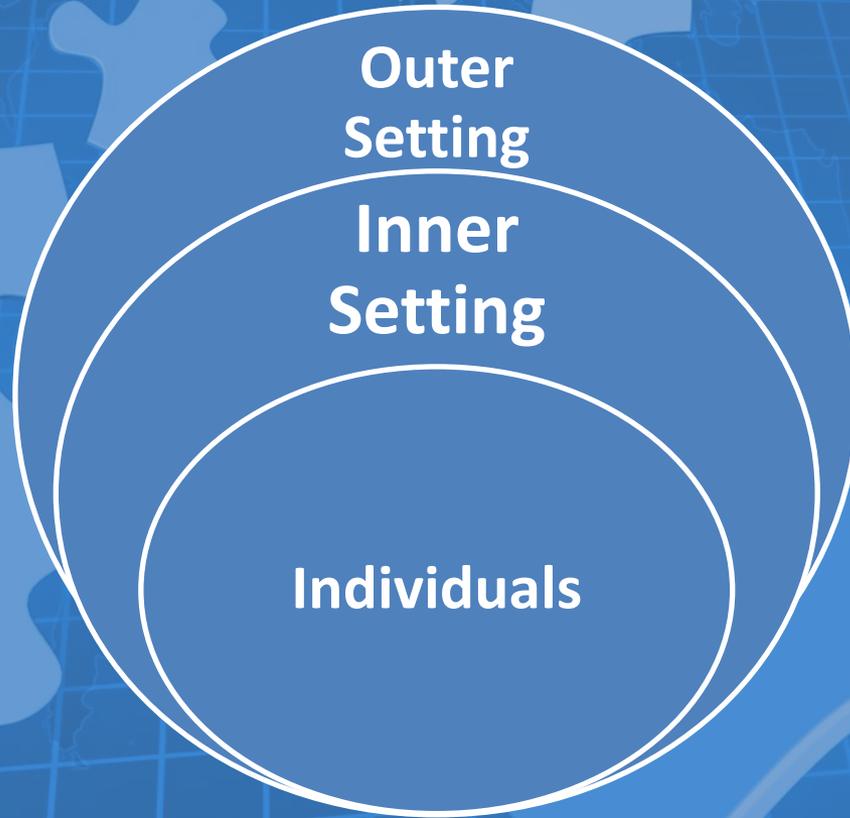


**Inner
Setting**

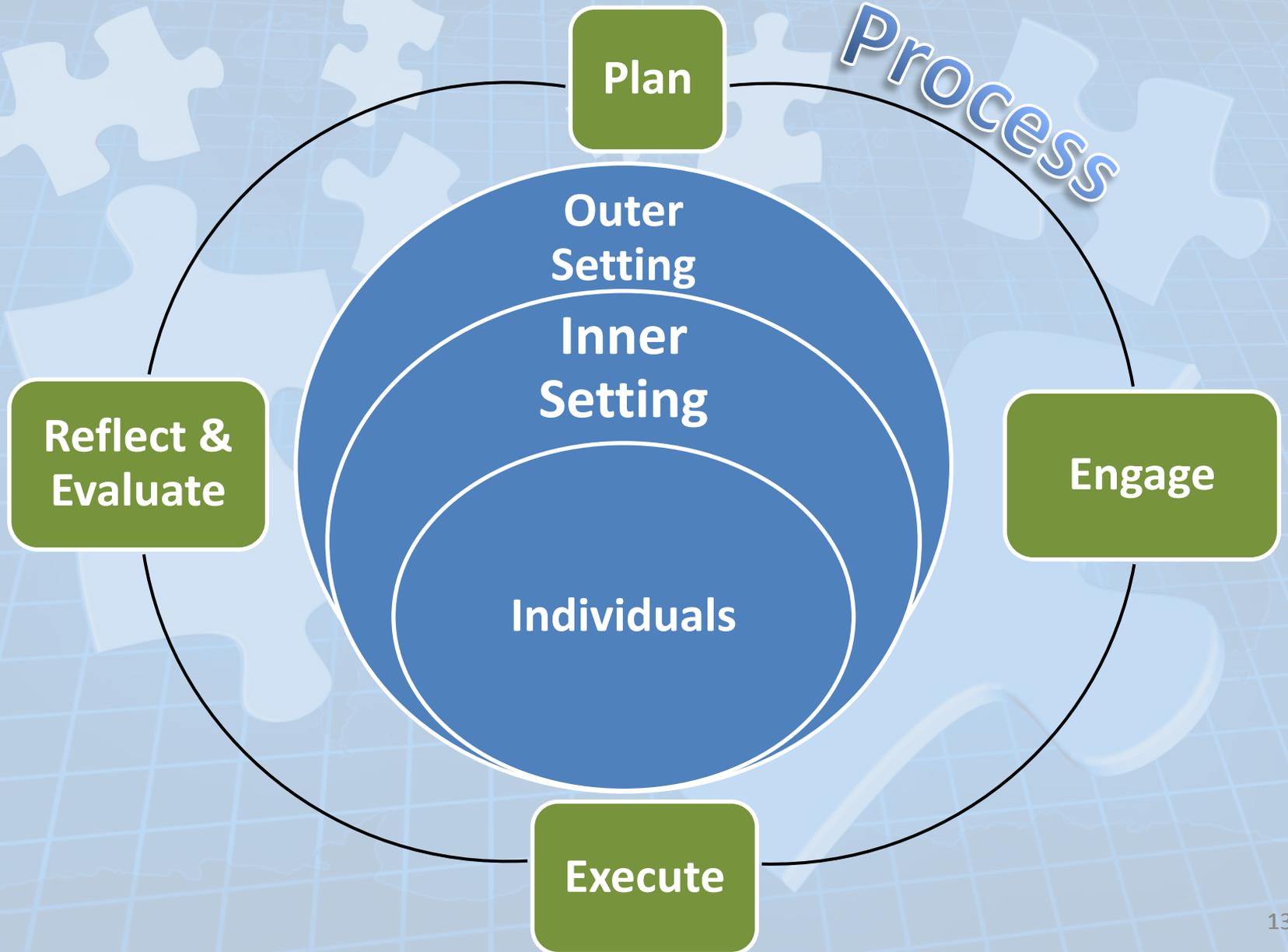
The diagram features a large, light blue puzzle piece in the background. In the center, there are two concentric white circles. The outer circle is labeled 'Inner Setting' and the inner circle is labeled 'Individuals'. The background is a dark blue grid with faint world map outlines.

Individuals

Intervention Characteristics



Intervention Characteristics



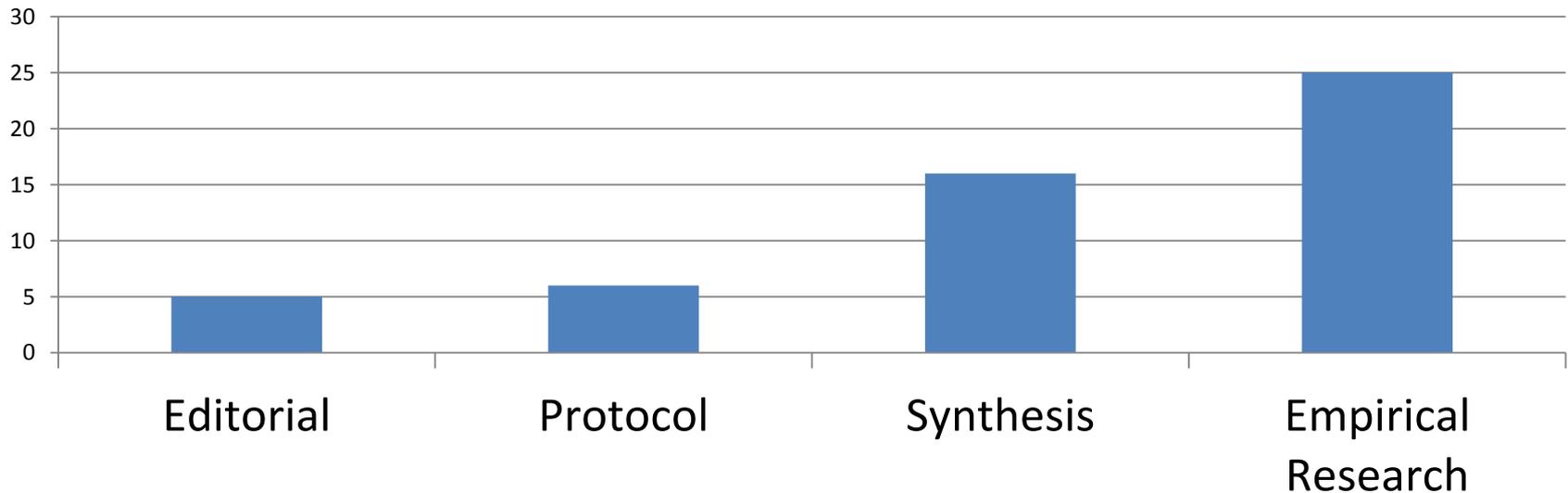
Poll Question #2

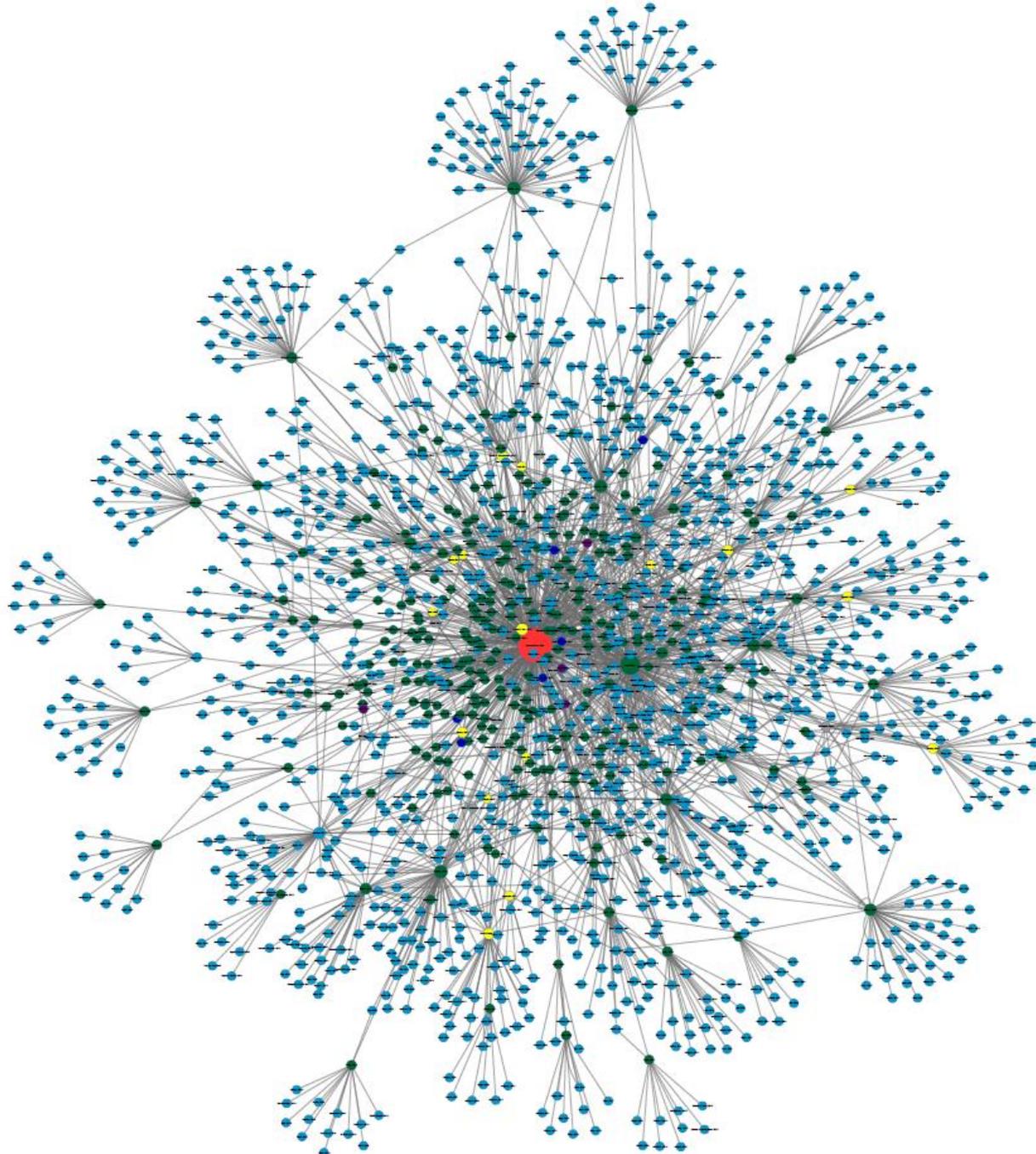
- Have you used the CFIR? (select all that apply)
 - This is my first time hearing about the CFIR
 - I am familiar with the CFIR
 - I have used the CFIR to guide a research study
 - I have used the CFIR to guide QI or implementation of an innovation
 - None of the above

CFIR Citations

- N=364, 86% (n=312) of which are “incidental”
- n=52 “Significant”

Significant Uses of the CFIR





CFIR Version 2: Published Recommendations

- Positive support
 - Good, useful, comprehensive, consistent terminology, whole system approach...etc
- Recommendations
 - Engagement of citizens/patients/consumers
 - Underdeveloped constructs
 - More detail needed
 - Leadership
 - Challenging to apply over time
 - Broaden application to other domains
 - More coding guidance to improve reliability
 - Potentially important factors missing
 - Does not include scale up, spread, sustainment, “best practices”



www.CFIRguide.org

Consolidated Framework for Implementation Research

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- Additional Resources
- Participate
- Contact Us

Welcome to the CFIR

You have come to the right place if you are looking for more information about the Consolidated Framework for Implementation Research (CFIR) that was originally published in [Implementation Science in 2009](#). This site is created for individuals considering using the CFIR to evaluate an implementation or design an implementation study.

[Implementation Science](#)

[What is the CFIR](#)

[Benefits of using the CFIR](#)

[Published Citations of the CFIR](#)

[Future Plans for the CFIR](#)

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[Implementation Science Basics](#)

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Go to our publicly available [Zotero library](#) for an up to date list of references, organized by type of article. We have also provided a readily accessible [pdf file](#) that lists the key references, though it may not be quite as up to date.



[Future Plans for the CFIR](#)



General Information

- Welcome
- Who we are
- Future plans
- CFIR in action

Wiki Content

- GLOSSARY
- **CFIR Taxonomy**
- CFIR Domains
- CFIR Constructs
- Recent Changes

Contributing to CFIR Wiki

- Add a glossary term
- Add a CFIR domain
- Add a CFIR construct

Etiquette and Help

- "Wikiquette"
- Help and FAQ

Search

Toolbox

- What links here
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CFIR Taxonomy

Contents [hide]

- 1 CFIR Version 1
- 2 Intervention Characteristics
- 3 Outer Setting
- 4 Inner Setting
- 5 Characteristics of Individuals
- 6 Process

CFIR Version 1

This page shows the CFIR taxonomy which consists of five domains (e.g., Intervention Source) and 39 constructs. You can contribute comments about the CFIR's overall structure. Click on the discussion tab within a construct to control the majority of lively discussions will be focused.

Intervention Characteristics

- Intervention Source
- Evidence Strength & Quality
- Relative Advantage
- Adaptability
- Trialability
- Complexity
- Design Quality & Packaging
- Cost

Outer Setting

- Patient Needs & Resources
- Cosmopolitanism
- Peer Pressure
- External Policies & Incentives

Inner Setting

- Structural Characteristics
- Networks & Communications
- Culture
- Implementation Climate
 1. Tension for Change
 2. Compatibility
 3. Relative Priority
 4. Organizational Incentives & Rewards
 5. Goals & Feedback
 6. Learning Climate
- Readiness for Implementation
 1. **Leadership Engagement**
 2. Available Resources

Inner Setting: Leadership Engagement



Qualitative codebook guidelines

[edit]

Inclusion criteria

[edit]

Include statements related to engagement strategies and outcomes, e.g., how the formally appointed internal implementation leader became engaged with the innovation and what their role is in implementation. Note: Although both strategies and outcomes are coded here, the outcome of efforts to engage staff determines the rating, i.e. if there are repeated attempts to engage an implementation leader that are not successful, or if the implementation leader leaves the organization and this role is vacant, the construct receives a negative rating. In addition, you may also want to code the "quality" of the implementation leader here - their capabilities, motivation, and skills, i.e. how good they are at their job, and this affects the rating as well.

Exclusion criteria

[edit]

Exclude or double code statements regarding leadership engagement to [Leadership Engagement](#) if an implementation leader is also an organizational leader, e.g., if a director of primary care takes the lead in implementing a new treatment guideline.

Quantitative measures

[edit]

Implementation Leadership Scale

[edit]

Source: [Article Citation](#)

Description

[edit]

Abstract: BACKGROUND: In healthcare and allied healthcare settings, leadership that supports effective implementation of evidenced-based practices (EBPs) is a critical concern. However, there are no empirically validated measures to assess implementation leadership. This paper describes the development, factor structure, and initial reliability and convergent and discriminant validity of a very brief measure of implementation leadership: the Implementation Leadership Scale (ILS). METHODS: Participants were 459 mental health clinicians working in 93 different outpatient mental health programs in Southern California, USA. Initial item



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Page | Discussion

Thread:Distinction from Champion (1)

[Start a new discussion](#)

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Sorting order: last modified first

Remember this preference

Show deleted threads **Go**

Suggestions for Refinement (4)

Reply to this thread to post suggestions for refinements. The more specific the better. Include citations when possible

[Ldamschroder](#) (Talk | [contribs](#) | [block](#)) 16:58, 1 June 2011 [Edit](#) [History](#) [Permalink](#) [Delete](#) [Reply](#)

We propose changing the construct label to Leadership Support or Leadership Commitment to avoid confusion with Process/Engagement. Please refer to the explanation under Inclusion Criteria for Leadership Engagement in the main construct page.

[Ldamschroder](#) (Talk | [contribs](#) | [block](#)) 14:07, 9 July 2012 [Edit](#) [History](#) [Permalink](#) [Delete](#) [Reply](#)

Perhaps Leadership Engagement under Inner Setting is more related to the quality and nature of leadership and likely receipt of support to be had. Under Process, it is essential to engage key leaders and keep them engaged throughout the process (and perhaps long after) of implementation to help ensure sustainability. Leaders should be included under the Process/Engagement construct as well.

[Ldamschroder](#) (Talk | [contribs](#) | [block](#)) 17:00, 1 June 2011 [Edit](#) [History](#) [Permalink](#) [Delete](#) [Reply](#)

Distinction from Champion (1)

There have been no changes to this discussion for at least 14 days. If it is concluded, you may want to [write a summary](#).

Champions are often organizational leaders (e.g., clinic manager, Director of Primary Care, Chief of Staff, hospital Director). Which construct do you use? Leadership engagement refers to instances where leaders are supportive in more of a reactive, vs. proactive, way. A champion should be actively dedicated to supporting the implementation. In doing so, they may be taking personal risks, or acting beyond their...



Consolidated Framework for Implementation Research

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Design an Evaluation

You are in the right place if you plan to use the CFIR to design and conduct an implementation evaluation. This section provides tools and guides for designing your evaluation. We refer often to a [published paper](#) which describes methods and findings from a formative research study of the Veterans Affairs' MOVE!® weight management program. Reading the paper before delving into this section will help you better understand the concepts and benefits of the tools we offer.



- [Overview](#)
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Evaluation Approaches

The CFIR is a framework for assessing context in terms of existing or potential barriers and facilitators to successful implementation; how the CFIR is used will depend on the type of evaluation you are conducting.

[Stetler et al. \(2006\)](#) outlines the different types of evaluation that can be conducted while implementing a new program or process. The table below organizes the types of evaluation by:

- Typology: Classification of different types of evaluation
- Descriptive Label: Layman's description of purpose and phase
- Purpose: Purpose of each type of evaluation and the components of analysis
- Examples: Published research using the CFIR in a similar evaluation type

Stetler et al. Evaluation Typology		Descriptive Label	Purpose of the Research or Evaluation	Example Published Study*
Formative Research		Pre-Implementation Assessment	Obtain diagnostic system-level information prior to development of a future implementation study	Damschroder & Lowery, 2013 Connell et al., 2014 (Quantitative measures for two domains)
Formative Evaluation	Developmental Evaluation	Pre-Implementation Assessment and Adaptation	Enhance the likelihood of success of implementation through a diagnostic analysis of: <ol style="list-style-type: none"> Actual degree of less-than-best practice Determinants of current practice Potential barriers and facilitators to practice change and to implementation of the adoption strategy Strategy feasibility, including perceived utility of the project 	
	Implementation-Focused Evaluation	Concurrent Implementation Assessment and Adaptation	Optimize the likelihood of affecting change by resolving actionable barriers, enhancing identified levers of change, and refining components of the implementation intervention through an analysis of: <ol style="list-style-type: none"> Discrepancies between the implementation plan and its operationalization Influences not anticipated through developmental evaluation 	Prior et al., 2014 (Study Protocol)
	Progress-Focused Evaluation	Concurrent Implementation Progress	Optimize the intervention and/or reinforce progress via positive feedback to key players through an analysis of: <ol style="list-style-type: none"> Impacts and indicators of progress towards goals 	Prior et al., 2014 (Study Protocol)
	Interpretive Evaluation	Post-Implementation Evaluation	Provide working hypotheses to explain success or failure through	English et al., 2011

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Qualitative Data

Data Collection

Interview Guide

Qualitative data can be collected through semi-structured interviews with stakeholders. An interview guide based on CFIR constructs can be used. Explore the online [interview guide tool](#) that you can use to create your guide. It allows you to select constructs and questions from a menu of options and then produces an editable interview guide.

Observation Template

Site visits often generate qualitative data that you can analyze using the CFIR. The Microsoft Excel [observation template](#) can facilitate taking notes organized by CFIR construct. This can be an efficient approach to provide [rapid feedback](#) to stakeholders.

Meeting Notes Template

If regular meetings are held with stakeholders that generate meeting notes, these notes may be analyzed as data. The Microsoft Excel [meeting notes template](#) can facilitate taking notes organized by CFIR construct. Similar to the observation template, this can be an efficient way to provide [rapid feedback](#) to stakeholders.

Data Analysis

Data Interpretation

CFIR Domains

Click on a domain to see its constructs.

Intervention Characteristics

Outer Setting

Inner Setting



Characteristics of Individuals

Process

Outer Setting

Inner Setting

To learn more see the [wiki](#).

To choose questions by construct, click on its name. Or, you can

Choose ALL questions in this domain.

Constructs

Structural Characteristics

Networks & Communications

Culture

Implementation Climate

Readiness for Implementation

Tangible and immediate indicators of organizational commitment to its decision to implement an intervention. To learn more see the [wiki](#).

Choose ALL questions in this construct.

Subconstructs

To choose questions by subconstruct, click on its name.

Leadership Engagement

Commitment, involvement, and accountability of leaders and managers with the implementation. To learn more see the [wiki](#).

- What level of endorsement or support have you seen or heard from leaders?
- What level of involvement has leadership at your organization had so far with the intervention?

Inner Setting

To learn more see the [wiki](#).

To choose questions by construct, click on its name. Or, you can

Choose ALL questions in this domain.

Constructs

Structural Characteristics

Networks & Communications

The nature and quality of webs of social networks and the nature and quality of formal and informal communications within an organization. To learn

1. Can you describe your working relationships with your colleagues?
2. To what extent do you get together with colleagues outside of work?
3. Do you meet (formally or informally) with a team of people?
4. Can you describe your working relationship with leaders?
5. Can you describe your working relationship with influential stakeholders?
6. Are meetings, such as staff meetings, held regularly?
7. How do you typically find out about new information, such as new initiatives, accomplishments, issues, new staff, staff departures?
8. When you need to get something done or to solve a problem, who are your "go-to" people?

Choose ALL questions in this construct.

Culture

Implementation Climate

Readiness for Implementation

CFIR Domains

Click on a domain to see its constructs.

[Intervention Characteristics](#)

[Outer Setting](#)

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[Process](#)



CFIR Guide

Inner Setting

Networks & Communications

1. Do you meet (formally or informally) with a team of people?
 - What is the team membership?
 - How often do you meet? Formally? Informally?
2. Can you describe your working relationship with influential stakeholders?
3. How do you typically find out about new information, such as new initiatives, accomplishments, issues, new staff, staff departures?

Implementation Climate

Tension for Change

1. How essential is this intervention to meet the needs of the individuals served by your organization or other organizational goals and objectives?
2. How do people feel about current programs/practices/process that are available related to the intervention?
 - To what extent do current programs fail to meet existing needs? Will the intervention meet these needs?
 - How will the intervention fill current gaps?

Relative Priority

1. To what extent might the implementation take a backseat to other high-priority initiatives going on now?
 - How important do you think it is to implement the intervention compared to the other priorities?
 - How important is it to others, such as your coworkers or leaders, to implement the intervention compared to the other priorities?



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[Implementation Science Basics](#)

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Quantitative Data

Several research groups are in the process of developing quantitative CFIR measures. Below are three sources of potential measures that have been mapped item-by-item to the CFIR.

Helfrich et al.'s (2009) Organizational Readiness to Change Assessment (ORCA):

The [ORCA](#) instrument is a 74-item survey with three domains. Each ORCA survey item has been mapped to a CFIR construct. A manuscript is in process, but we provide the mapping here for your review.

- [Ordered list](#) of ORCA items with CFIR items that map to each.
- [Ordered list](#) of CFIR constructs with ORCA items that map to each.

Gustafson et al.'s (2003) Organizational Change Manager (OCM)

The [OCM](#) instrument is a 60-item survey with 15 domains. Each OCM survey item has been mapped to a CFIR construct. A manuscript is in process, but we provide the mapping here for your review.

- [Ordered list](#) of OCM items with CFIR items that map to each.
- [Ordered list](#) of CFIR constructs with the list of OCM items that map to each construct
- [Complete listing](#) of OCM items (with descriptors) and CFIR constructs

Seattle Implementation Research Collaborative (SIRC):

The [SIRC](#) is in the process of identifying measurement instruments and mapping them to the CFIR and an [outcomes framework](#); over 400 instruments have been identified and the SIRC is in the process of evaluating each instrument. Check back regularly for updates.

Published measures related to specific constructs:

There are a few published measures that apply directly to a specific CFIR construct. One example is

Mapping of OCM¹ items to the CFIR

Consolidated Framework for Implementation Research (CFIR)			Organizational Change Manager (OCM)	
	CFIR Construct	Short Description	OCM Label	Questionnaire Item
I. Intervention Characteristics				
A	Intervention Source	Perception of key stakeholders about whether the intervention is externally or internally developed.	8b	Project has been influenced strongly by: Successful applications from non-health care organizations
			8c	Project has been influenced strongly by: Successful health care applications outside our organization
B	Evidence Strength & Quality	Stakeholders' perceptions of the quality and validity of evidence supporting the belief that the intervention will have desired outcomes.	9a	The change we have in mind: Is supported by concrete evidence from an organization similar to ours
			9b	The change we have in mind: Conforms to the opinions of respected experts
C	Relative advantage	Stakeholders' perception of the advantage of implementing the intervention versus an alternative solution.	6d	Staff, in general, are not depressed by the prospect of change
			9c	The change we have in mind: Appears to have many more advantages than disadvantages
			9d	The change we have in mind: Is likely to be supported by staff because they will believe that the advantages outweigh disadvantages
D	Adaptability	The degree to which an intervention can be adapted, tailored, refined, or reinvented to meet local needs.	11a	The likely change can be adapted to fit current situation
			11b	The likely change can be adapted and retain effectiveness
			11c	The adaptation will be ethically easy to make
			11d	The adaptation will be politically easy to make
A	Trialability	The ability to test the intervention on a small scale in the organization [8], and to be able to reverse course (undo implementation) if warranted.		
F	Complexity	Perceived difficulty of implementation, reflected by duration, scope,		

1. Gustafson, D.H., F. Sainfort, M. Eichler, L. Adams, M. Bisognano, and H. Steudel, Developing and testing a model to predict outcomes of organizational change. *Health Serv Res*, 2003. 38(2): p. 751-76.



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Design an Implementation Strategy

An evidence base is not yet established for how to tailor implementation strategies. This section describes a few ideas for developing interim tools and the needed evidence base. Please refer to our [glossary](#) for language about implementation in this section.

You are in the right place if you:

1. Have completed an assessment to identify the constructs that may be barriers (or facilitators) for implementing an innovation into your setting
2. Intend to implement an innovation into one or many settings and need guidance in selecting techniques to bundle into an implementation strategy tailored to your project.

The CFIR for Implementation Strategies

The CFIR describes four constructs related to the Process of implementation: Planning, Engaging, Executing, and Reflecting and Evaluating. Successful implementation relies on iterative, interacting activities related to these four constructs.

Process



Construct Ratings

Implementation Effectiveness:	Low		High	
I. INTERVENTION CHARACTERISTICS				
Relative advantage	-2	1	2	2
II. OUTER SETTING				
Patient needs & resources	-2	0	2	2
External Policy & Incentives	-1	-2	0	1
III. INNER SETTING				
Networks and communications	-2	-2	2	2
Implementation Climate				
Tension for change	0	0	1	1
Relative priority	-1	-2	1	2
Goals and feedback	-2	-1	1	2
Learning climate	N/A	-1	1	2
Readiness for Implementation				
Leadership Engagement	-2	-1	2	2
Available resources	-2	-2	1	-1
V. PROCESS				
Planning	-1	N/A	1	1
Executing	-2	1	2	2
Reflecting & Evaluating	-1	-2	1	2

Damschroder, L.J. and J.C. Lowery, *Evaluation of a large-scale weight management program using the consolidated framework for implementation research (CFIR)*. *Implement Sci*, 2013. 8: p. 51.

Goals & Feedback

- The degree to which goals are clearly communicated, acted upon, and fed back to staff and alignment of that feedback with goals
 - Organizational goal well communicated
 - Actions reinforce the goal
 - E.g., leadership decisions, visibility on key agendas
 - Actionable feedback
 - Alignment of new implementation efforts with goal

Next: Tailored Implementation Strategy

Construct	Issue/Barrier	Change Techniques
Goals & Feedback	<ul style="list-style-type: none">• It is challenging to track patients' weight and other measures over time. Often staff lack time and ability to analyze these data and develop cogent business cases needed to support the program.	<ul style="list-style-type: none">• Clearly align program data with org goals• Develop tools for quality monitoring¹• Audit and provide feedback¹• Anecdotal success stories help to bring data "alive" for leaders and other stakeholders.

1. Powell, B. J., McMillen, J. C., Proctor, E. K., Carpenter, C. R., Griffey, R. T., Bunger, A. C., et al. (2012). A compilation of strategies for implementing clinical innovations in health and mental health. *Medical Care Research and Review*, 69(2), 123-157. doi: 10.1177/1077558711430690

Resources to Help Guide Implementation Strategy Development

Insights from published studies

The [Cochrane Collaboration](#) provides evidence syntheses for a wide range of techniques and strategies that may be appropriate for implementation. McMaster University's [Health Systems Evidence](#) site (registration is free) is another source of a wide range of syntheses of research evidence; for example, a recent review was posted on the effectiveness of [safety checklists](#).

Published articles using the CFIR may provide detailed information about how techniques or strategies may act on or through specific CFIR constructs. Using Zotero, we have created a [Zotero library](#) of CFIR citations and categorized them according to type of research and use. If you are not able to access Zotero, click [here](#) for a list of citations organized by type of research.

Idea for the Future: Select Techniques based on Barriers & Facilitators

The [ERIC](#) project has developed a list of 73 discrete evidence-based implementation techniques. We plan to create a tool to help you select techniques based on the constructs you have identified as barriers or facilitators to implementation. This project will map ERIC techniques to CFIR constructs based on expert recommendations. For example, if an assessment found Goals & Feedback to be a potential barrier, then a robust "audit and provide feedback" technique could be appropriate to help address this potential barrier. We have drafted [an example](#) of how we imagine a tool like this might work.

Idea for the Future: Learning from Others

We are planning to design a [repository](#) of study findings that used or could be mapped to CFIR constructs and provide sufficient operational detail. We have developed a few ideas on how we could utilize this type of information. We will use your [feedback](#) to guide future developments.



Tailor an Intervention Strategy

Intro

Domains

Innovation Characteristics

Outer Setting

Inner Setting

Characteristics of Individuals

Process

Process

To learn more see the [wiki](#).

Constructs

Planning

Engaging

Executing

Reflecting & Evaluating

Select a domain



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To learn more see the [wiki](#).

Constructs

Planning

Engaging

Executing

Reflecting & Evaluating

Quantitative and qualitative feedback about the progress and quality of implementation accompanied with regular persc see the [wiki](#).

[Techniques](#)

Select a construct

Learn more about the construct in the wiki, or click Techniques





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Process: Reflecting & Evaluating

Deselect nonessential questions. Click on question to see prompts.

- Audit and provide feedback
- Facilitate relay of clinical data to providers
- Obtain and use patient/consumer and family feedback

Select techniques you want to include for each construct...



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To learn more, see the [wiki](#)

Repeat steps until all relevant constructs have been addressed, then click “Create Tailored Implementation Strategy”

Constructs

Structural Characteristics

The social architecture, age, maturity, and size of an organization.

To learn more see the [wiki](#).

[Questions](#)

Networks & Communications

Culture

Implementation Climate

Readiness for Implementation

Create Tailored Implementation Strategy



Tailor an Intervention Strategy

The tool will generate a document that lists the techniques you chose which can then be used as a basis for a documented tailored Implementation Strategy

Process

Reflecting & Evaluating

- Facilitate relay of clinical data to providers

Inner Setting

Structural Characteristics

- Create new clinical teams
- Make billing easier
- Change service sites

Leadership Engagement

- Provide clinical supervision

Innovation Characteristics

Evidence Strength & Quality

- Provide on-going consultation

Welcome to the CFIR Technical Assistance Website

You have come to the right place if you are looking for more information about the Consolidated Framework for Implementation Research (CFIR) that was originally [published in Implementation Science in 2009](#). This site is created for individuals considering using the CFIR to evaluate an implementation or design an implementation study.

[Implementation Science Basics](#)

[What is the CFIR](#)

[Benefits of using the CFIR](#)

[Published Citations of the CFIR](#)

[Future Plans for the CFIR](#)

Several initiatives are currently underway. Please check back periodically for updates:

- A revised version of the CFIR (Version 2) is being developed and will be published.
- [Quantitative measurement instruments](#) are being mapped to the CFIR. [Let us know](#) about other instruments you have mapped or would like to suggest for mapping.
- We are planning to develop [a mapped set of implementation techniques](#) (e.g., audit and provide feedback) that can be used to address or avoid constructs that may be barriers. We look forward to your [feedback](#).
- [Design an Implementation Strategy](#) - We offer a few innovative ideas about how a repository of findings could promote knowledge-building and provide insights to help select techniques that are tailored to your scenario.

Ideas for the Future: Learning From Others



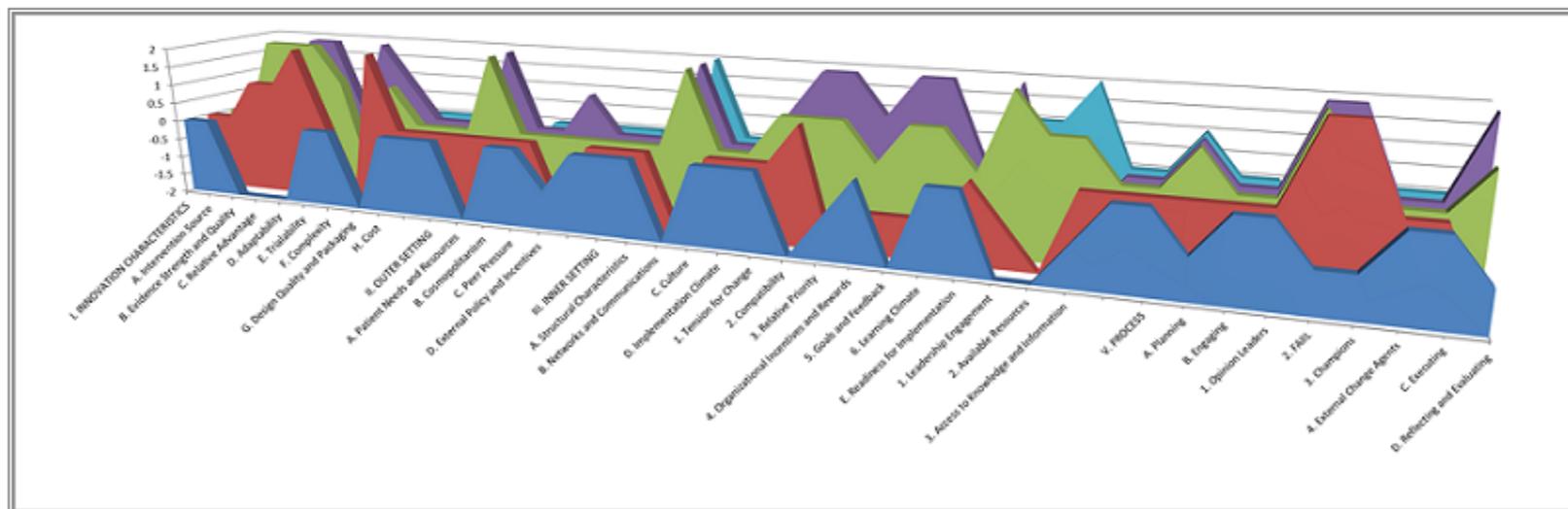
This part of the website offers ideas and we very much want your [feedback](#).

[Data Synthesis Across Studies](#)

[Recommendations from Real-World Scenarios](#)

[Data Visualizations](#)

Now imagine a visual display of “profiles” for each site based on ratings of CFIR constructs.



You could “match” your profile with another entity or small sample of entities in the repository and then drill down to qualitative data that may be available to provide insights you can learn from or that may help to inform your own implementation strategy.

How would you foresee using these data in your own work? How useful would this kind of tool be for your work? Please [share](#) your thoughts with us.

www.CFIRguide.org

Consolidated Framework for Implementation Research

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[Implementation Science Basics](#)

[About the CFIR](#)

[Using the CFIR](#)

[Citations of the CFIR](#)

[Links for the CFIR](#)

Questions/Comments?

Thank you!

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