



Tier 2 Innovation and Impact Network – Evaluation Technical Assistance Kickoff Webinar

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Agenda

- / Introductions**
- / Feasibility research framing and Innovation and Impact Network (IIN) phases**
- / Explore and Develop phase**
- / Test and Refine phase**
- / Evaluate phase**
- / Other evaluation technical assistance (TA)**
- / Next steps and Q&A**

Evaluation TA leadership team



Jean Knab
Project director



Lauren Scher
Deputy project director



Russell Cole
Principal investigator

Additional speaker today



Jonathan McCay
Senior program analyst

Mathematica's TA role

/ Currently hold two evaluation TA contracts

- Formative and process evaluations (TPP 2018 and 2019 grantees)
- Impact evaluations (TPP 2020 grantees)

/ Existing resources on Max.gov and the Reproductive Health National Training Center (RHNTC) site

/ Can assist with evaluation activities associated with each phase of your grants

Feasibility Research Framing and IIN

Traditional intervention research versus feasibility research

- / **Traditional research question: Is the intervention effective?**
- / **Feasibility research question: Can this intervention be carried out successfully?**
- / **Continuum of evidence**
 - Feasibility research helps us to stage our work and generate information along a continuum of evidence
 - Lessons learned at each stage are valuable! Disseminate early and often!
- / **See [Gadke et al. \(2021\)](#)**

Illustration of feasibility research framing relative to IIN stages

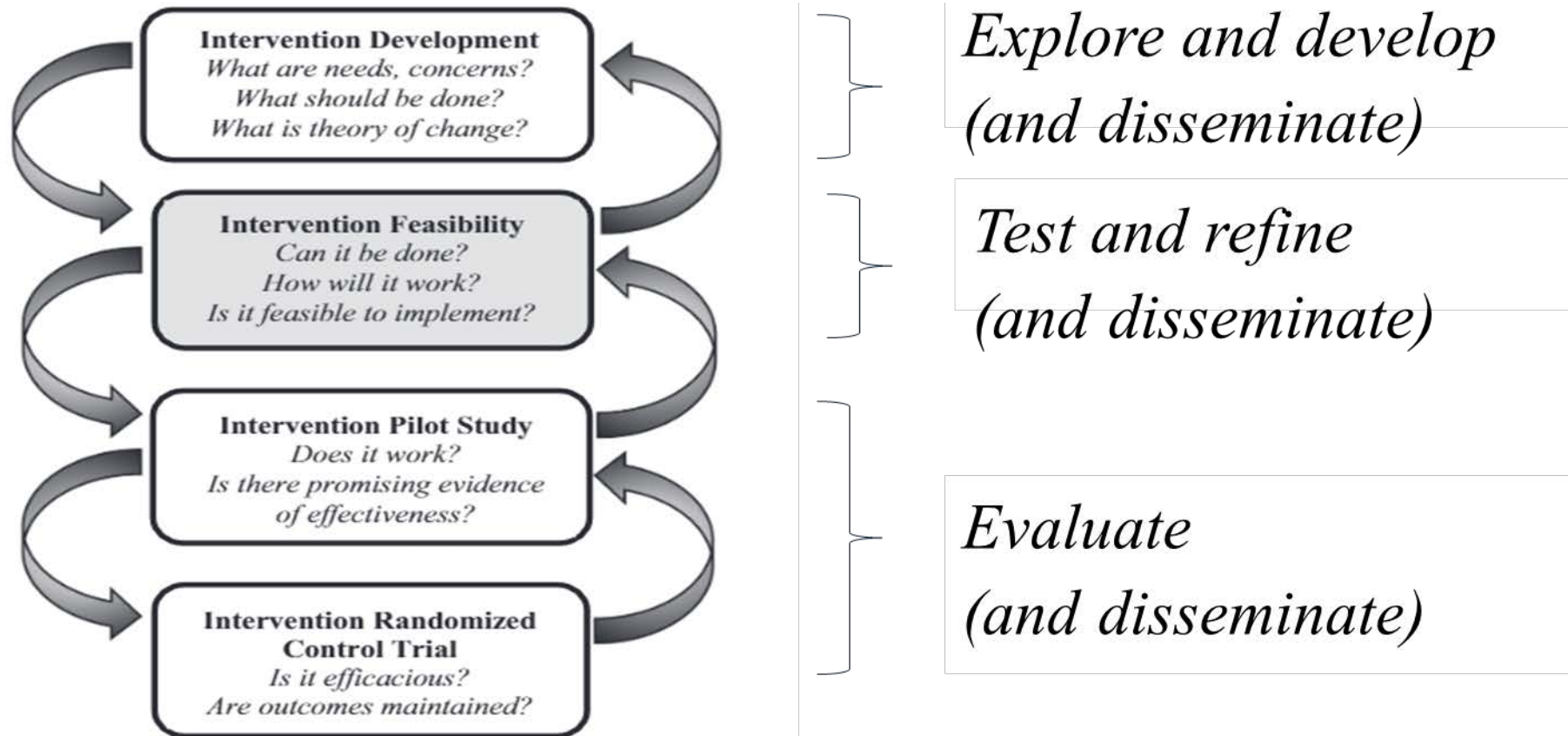


Fig. 1. Phased intervention development context for conducting feasibility research.

IIN: Flexibility in definitions of stages

/ **Grantees will have different approaches to development, testing, and evaluation**

- Rigid definitions of expectations are infeasible given diversity of intervention types and prior development
- But guidance or illustrations might be useful
- Grantees will define goals, milestones, or activities for each stage themselves, with their federal project officers (FPOs)

/ **We will use this feasibility research example to illustrate hypothetical milestones and activities for each stage**

Explore and Develop

Explore and Develop phase and feasibility research

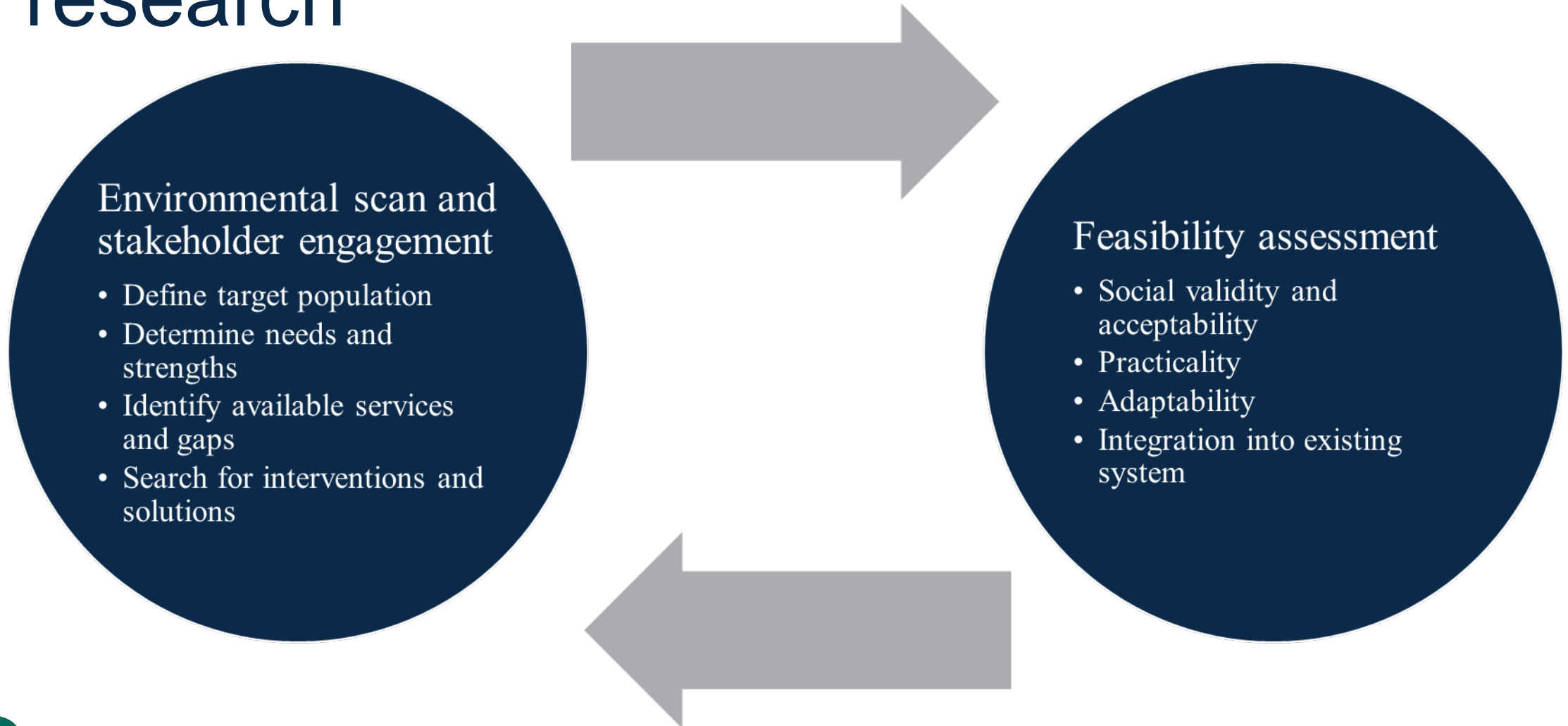


Illustration of approach: *Explore and Develop* goals, activities, and milestones

- / **Goal: Identify and establish intervention(s) that meet needs and appear to be feasible for a given setting**
- / **Activity: Document and disseminate information about readiness and appropriateness for implementation**
 - Results of environmental scan, mapping of selected intervention(s) to address needs
 - Key intervention materials (manual, theory of change, recruitment process documentation, and so on)
 - Satisfaction/acceptability assessment
 - Feasibility/integration assessment
- / **Milestone: *Explore and Develop* stage concludes before intervention implementation begins**

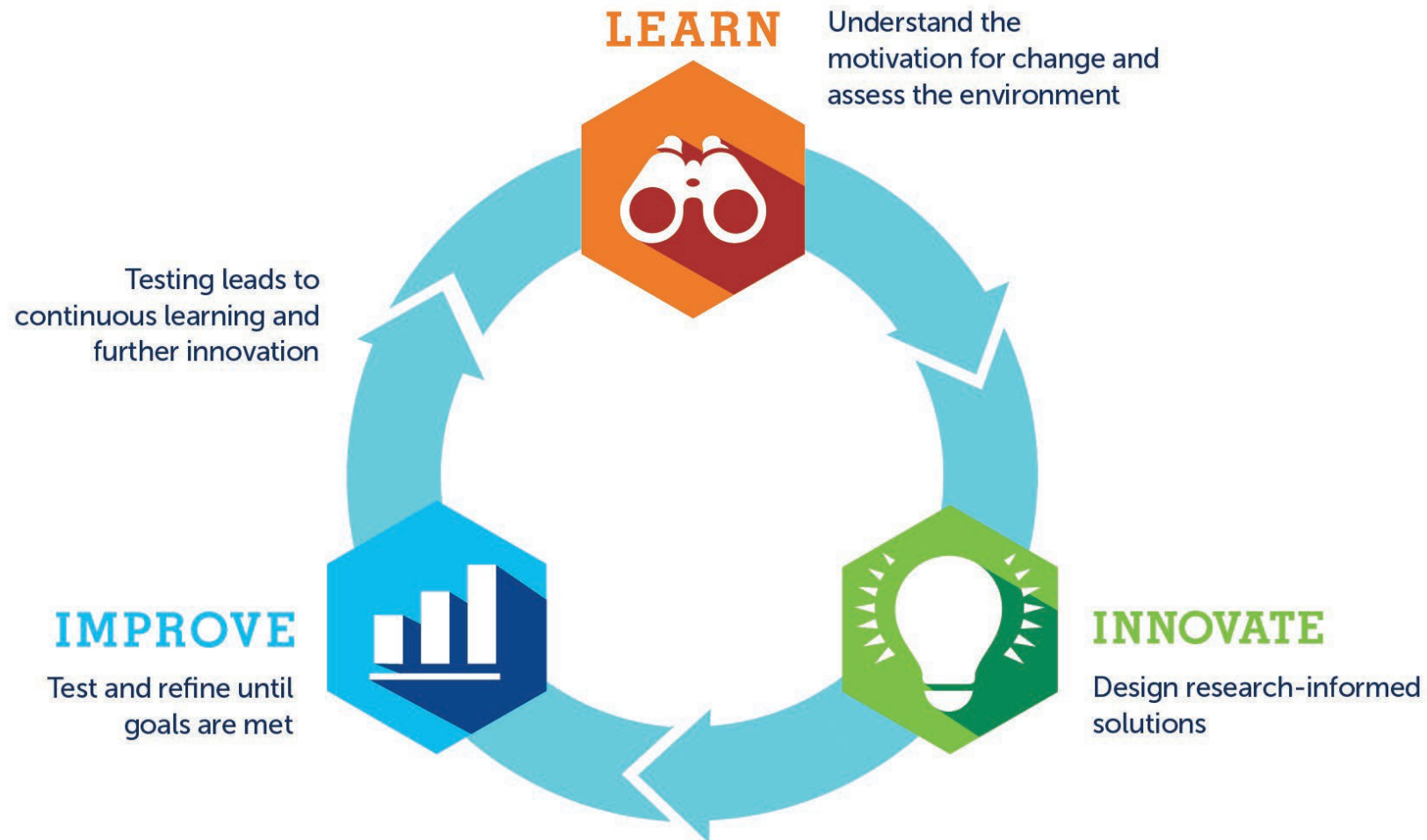
Evaluation TA particularly relevant for *Explore and Develop* stage

- / **Determining youth and stakeholder needs**
- / **Assessing acceptability and feasibility of an intervention**
- / **Developing a logic model that links intervention to outcomes**
- / **Developing definitions of goals, activities, and milestones associated with *Explore and Develop* stage**
- / **Documenting readiness for *Test and Refine* stage**
- / **Disseminating information learned at this stage**

Test and Refine

Learn, Innovate, Improve (LI²)

LI²: A framework and process model



People are at the center

/ **LI² intentionally incorporates the diverse array of human experiences at every step**

- Identifying the problem
- Exploring new possibilities
- Testing and improving solutions

/ **What works for whom, and under what circumstances?**



The role of human-centered design in LI²

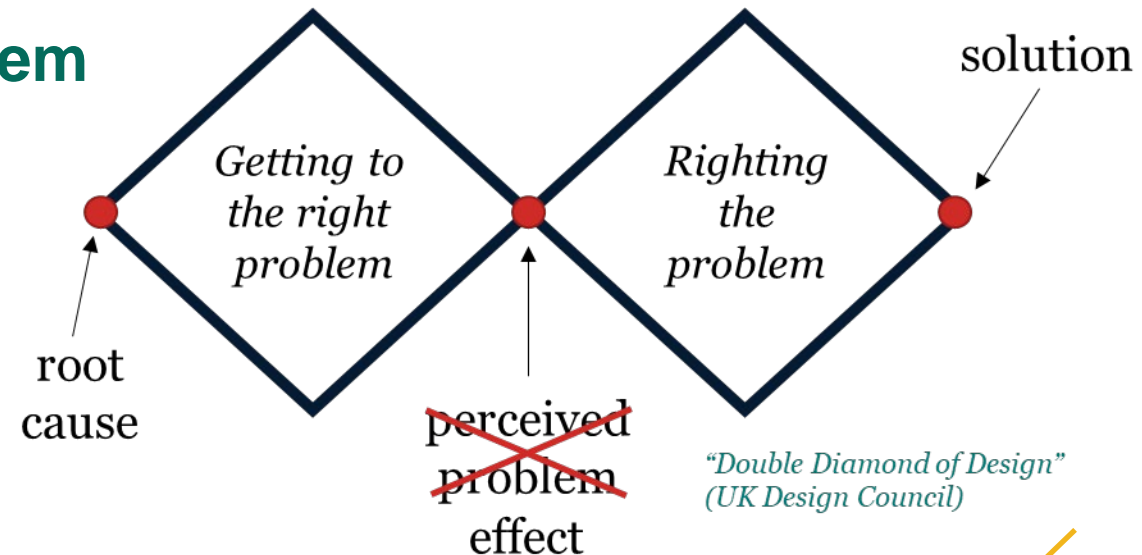
Whenever people's experiences are a factor in your success, human-centered design (HCD) can be helpful

- Discover stakeholders' experiences and values, rather than simply asking their opinions
- Develop empathy so that you can design with the best possible understanding of the human experience

Go deep: frame and reframe the problem

"Human-centered design is the discipline of developing solutions in the service of people."

- LUMA Institute



Overview of the Learn phase

Objectives

- Clarify the motivation and reasons for change
- Identify and engage key stakeholders
- Assess the environment's readiness for change

How?

Pairing HCD and traditional research methods to facilitate *analytic discovery*



Rose, thorn, bud

Contextually relevant learnings
Learning content is contextually relevant to experiences; students

Box 1

Pink	Green	Blue
Pink	Green	Blue

Box 2

Pink	Green	Blue
Pink	Green	Blue



LEARN

Overview of the Innovate phase

Two key objectives

Draw on science, existing research, and practice experience to design solutions

Develop a road map for change that connects your approach with change strategies and measurable outcomes

How?

Pairing HCD and traditional research methods to facilitate *analytic creativity*



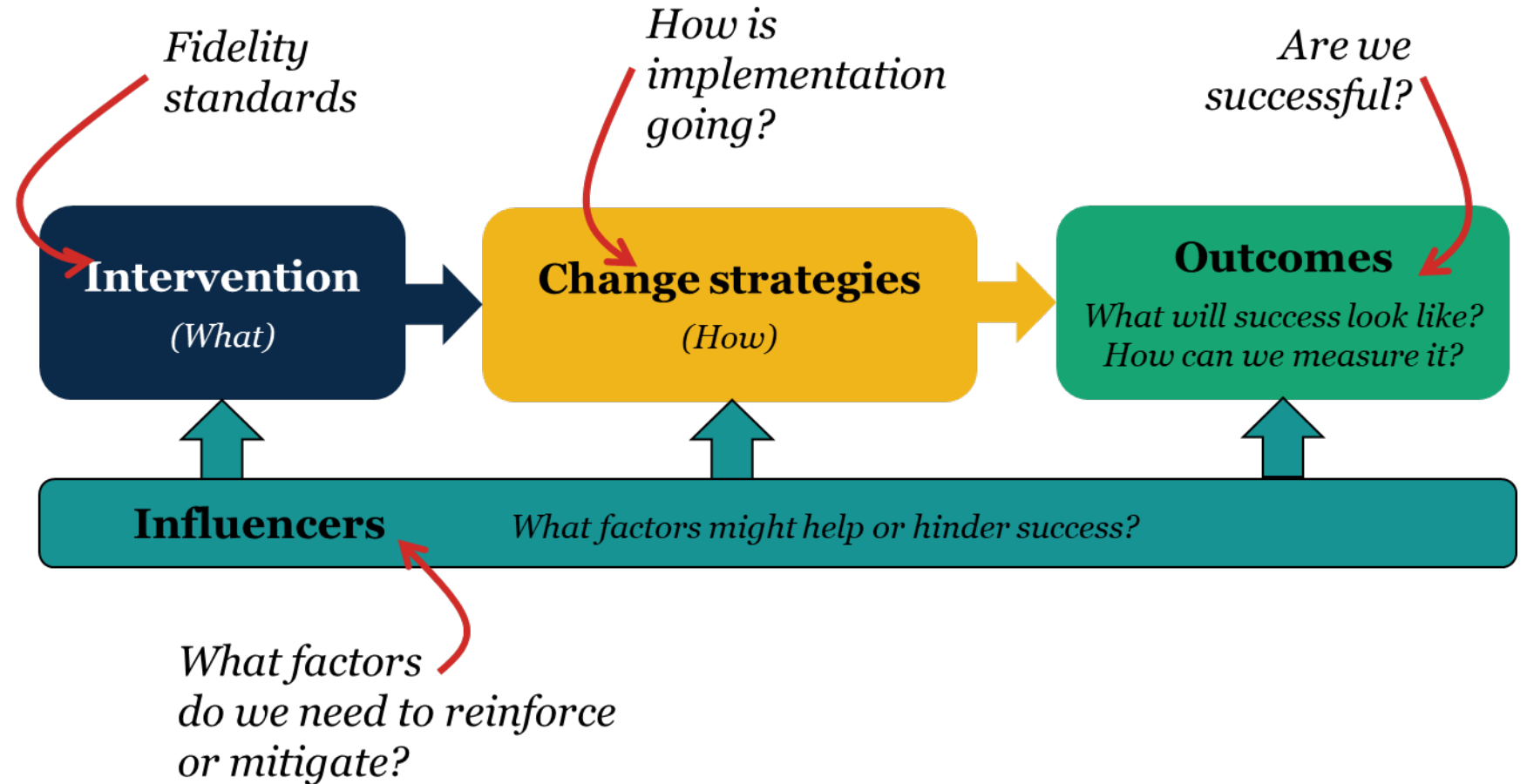
INNOVATE



The road map for change



INNOVATE



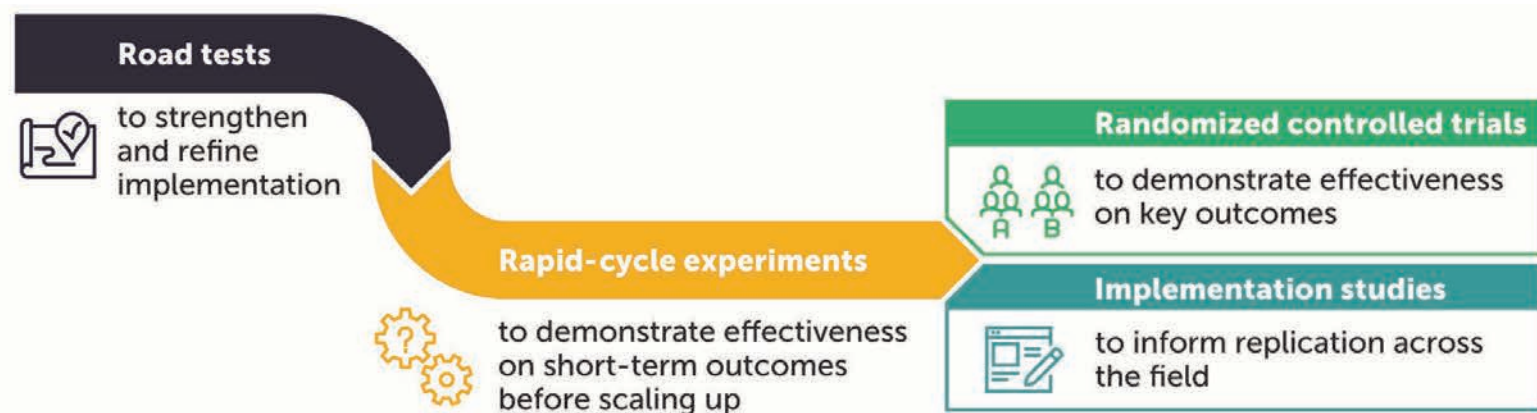
Overview of the Improve phase

Key objectives

- Build evidence for everyday decision making and quality improvement
- Build evidence for knowledge-building in the field
- Test and refine strategies until goals are met

What works for whom under what circumstances?

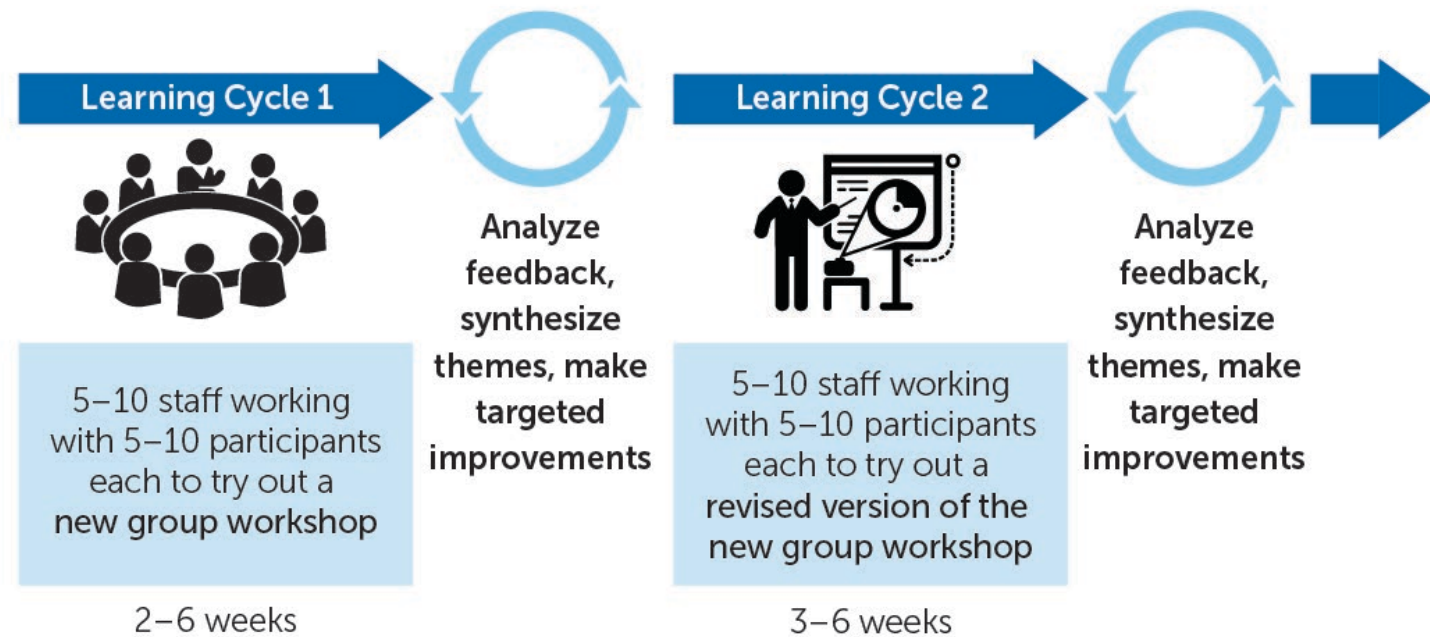
Implementation → Integration → Impact → Sustainability → Scalability



IMPROVE

Road testing

A rapid method for gathering feedback about implementation and integration



Using LI^2 in the *Test and Refine* stage



Clarify your model's core components and strategies for integration using a road map for change



Dissect early implementation challenges and co-design solutions



Design and conduct a road test to strengthen the design and implementation of core model components

Illustration of approach: *Test and Refine* goals, activities, and milestones

- / **Goal: Hone aspects of intervention implementation and delivery**
- / **Activity: Document and disseminate information about readiness for pilot outcome study**
 - Implement intervention in full at least once
 - Use formative/continuous quality improvement (CQI) processes for intervention improvement (including components or pieces of intervention)
 - Document features of satisfaction/engagement in programming
 - Disseminate lessons learned from CQI
- / **Milestone: *Test and Refine* stage concludes before commencing pilot outcome study**

Evaluation TA particularly relevant for *Test and Refine* stage

- / Additional, in-depth presentation of LI² process and examples
- / Using data to identify problems with process
- / Developing measures well-aligned with identified problems
- / Data collection methods
- / Data analytic approaches and interpretation for decision support
- / Developing definitions of goals, activities, and milestones associated with *Test and Refine* stage
- / Documenting readiness for *Evaluate* stage
- / Disseminating information learned at this stage

Evaluate

Planning and implementing a pilot study

- / Pilot study is often a pre-post study with implementation data collection to show the following:**
 - That intervention(s) can be implemented as expected (with fidelity)
 - That outcomes in logic model improve (proximal outcomes likely improving more than distal outcomes)
- / A good pilot study establishes the foundation or argument for subsequent impact study**

Planning and implementing an impact study (RCT or QED)

- / **To generate evidence of effectiveness or impact, a counterfactual condition is required**
 - Random assignment provides strongest evidence, when feasible
- / **To provide useful evidence of intervention effectiveness, designed study should showcase the following:**
 - Strong contrast in services experienced
 - Sufficiently large samples
 - Outcomes well-aligned to contrast being tested
 - Outcome data collected from a large proportion of study participants
 - And much more!
- / **Lots goes into doing this well!**

Illustration of approach: *Evaluate* goals, activities, and milestones

- / **Goal: Produce preliminary evidence about intervention implementation and outcomes (as a whole)**
- / **Activity: Document and disseminate information about readiness for rigorous effectiveness study**
 - Measure aspects of intervention implementation and outcomes in logic model
 - Conduct analyses to describe implementation and show how outcomes changed
 - Disseminate findings
 - Design rigorous effectiveness evaluation
- / **Milestone: *Evaluate* stage concludes before commencing rigorous evaluation**

Evaluation TA particularly relevant for *Evaluate* stage

- / **Developing implementation and outcome measures**
- / **Creating tracking systems to monitor enrollment and participation**
- / **Navigating the institutional review board approval process**
- / **Analyzing implementation and outcome data**
- / **Assessing feasibility of an impact evaluation**
- / **Designing an impact evaluation**
- / **Developing definitions of goals, activities, and milestones associated with *Evaluate* stage**
- / **Disseminating information learned at this stage**

Disseminate (at all stages!)

There are opportunities to disseminate at ALL stages!

/ Explore and Develop

- Describe target population and their needs
- Describe intended intervention and why it addresses needs

/ Test and Refine

- Describe the problems you identify and the solutions you demonstrated
- Don't focus on outcomes—present how you solved problems about process

/ Evaluate

- Share pilot findings to establish the foundation of a promising intervention

Other Topics for Future TA

TA on other topics

- / **Alternative impact evaluation designs**
- / **Preparing an impact evaluation proposal**
- / **Systems evaluation**
- / **Network analysis**
- / **Economic evaluations**
- / **Component studies**
- / **Dissemination plan**

Toolkits and resources

/ TPP Eval TA have compiled a list of existing resources into an easy-to-navigate toolkit

- [Impact evaluation toolkit](#)
- [Formative evaluation and implementation toolkit](#)

/ Training center website

- <https://rhntc.org/resources/search/adolescent-health>

Next Steps

Needs assessment survey

/ Will be sent to the grantee lead and the evaluation lead

/ Asks about your interest in TA on a range of different topics

- Depending on topic, TA might be one-on-one, a webinar or group call, facilitated peer sharing, or a written product

/ Due August 4, 2021

Requesting TA

- / Drop a note in the chat today**
- / Via your project officer**
- / Via the needs assessment survey**
- / For existing resources, check Max.gov, the RHNTC site, or send an email to TPPEvalTA@mathematica-mpr.com and we can point you to prior webinars and tip sheets**

Q&A