

Handout: Improvement Cycles

Improvement Cycles Learner Pathways



Learning pathways in implementation science serve as structured routes for individuals to effectively acquire the necessary knowledge, skills, and competencies to translate evidence-based interventions into real-world settings. These pathways provide a clear roadmap for professionals and facilitate the systematic development of expertise in navigating the complex process of implementing innovations in healthcare, education, and other fields. By offering a curated progression of learning experiences encompassing theoretical foundations, practical tools, and experiential learning opportunities, these pathways empower learners to address the multifaceted challenges inherent in implementing and scaling interventions. Ultimately, learning pathways in implementation science aim to equip individuals with the expertise and resources needed to bridge the gap between research and practice, thereby improving outcomes and enhancing the quality of services delivered to individuals and communities.

Improvement Cycles (M5) Pathways

1. Improvement Cycles – use improvement cycles to support the successful use and sustainability of evidence-based practices

[Improvement Cycles Overview \(Module 5\)](#)

Video: [Improvement Cycles](#)

[Improvement Cycles One-pager](#)

- Continue Learning:
 - Brief: [Integrating Implementation & Improvement Science to Enhance Educational Outcomes](#)
 - Webinar: [Implementation & Improvement Science Overview Webinar](#)
 - Voices from the Field Videos: [Improvement Cycles](#)

2. The PDSA Cycle – use the Plan, Do, Study, Act process to inform implementation

- Interactive Lesson: [The PDSA Cycle](#)
- Tool: [PDSA Planning Template](#)
- Handout: [PDSA Template Directions](#)
- Continue Learning:
 - Practice: [Transformation Zone Elevator Speech](#)

3. Applying Improvement Cycles – use improvement cycles to evaluate and improve current implementation efforts

- Practice: [Getting Ready for Change](#)
- Practice: [Getting Started with Improvement Cycles](#)
- Practice: [Apply the Plan-Do-Study-Act \(PDSA\) Cycle in Your Work](#)
- Practice: [PDSA – Who Am I?](#)

- Continue Learning:
 - Practice: [Case Example Usable Innovations and PDSA](#)
 - Handout: PDSA – [Case Example](#)
 - Paper: [Four Domains for Rapid School Improvement: An Implementation Framework](#)
 - Brief: [Leading by Doing: A Practice-Based Approach to Improving Mathematics Outcomes](#)