



Mechanics of Improvement
CIIS - Quality & Patient Safety Educational Series

Session Title	“Planning for Improvement”
Presentation Date	November 15 th , 2018
Learning Objectives	<ul style="list-style-type: none"> • Identify different quality improvement (QI), implementation and improvement sciences (IIS) approaches to planning that you can include in your improvement initiatives • Compare/contrast QI and IIS approaches using BMC case studies • Identify pros/cons of each approach

Session Resources - Introductions to IIS & QI Approaches

[An Introduction to Implementation Science for the Non-Specialist](#)

Bauer MS, Damschroder L, Hagedorn H, Smith K, Kilbourne AM. *BMC Psychol.* 2015;3(1),32.

- This review provides a broad overview of what implementation science is, how it differs from QI and dissemination. This article provides a useful starting point for individuals new to the field.

[The Improvement Guide: A Practical Approach to Enhancing Organizational Performance](#)

Langley GL, Moen R, Nolan KM, Nolan TW, Norman CL, Provost LP. *The Improvement Guide: A Practical Approach to Enhancing Organizational Performance* (2nd edition). San Francisco: Jossey-Bass Publishers; 2009.

- This book describes the Model for Improvement, a guiding approach for QI initiatives, with clear steps for accelerating change in diverse healthcare settings.

Session Resources – Frameworks and Process Maps

[Making Sense Of Implementation Theories, Models And Frameworks](#)

Nilsen P. Making Sense Of Implementation Theories, Models And Frameworks. *Implementation Science.* 2015;10(1). doi:10.1186/s13012-015-0242-0.

- IIS relies on theories, models and frameworks to serve as a roadmap for identifying study design, key variables and outcomes of interest. This review describes process models, determinant frameworks, classic theories, implementation theories and evaluation theories. This paper can help researchers determine which theoretical approach is best suited for their study questions and aims.

[Quality Improvement Essentials Toolkit](#)

Quality Improvement Essentials Toolkit. Institute for Healthcare Improvement.

- This QI focused webpage includes several toolkits related to creating cause/effect diagrams (fishbone), using failure modes/effect analysis to identify potential risks, a PDSA worksheet to plan learning processes, and run charts to help monitor performance toward QI goals.

Session Resources – Practical Templates for Planning Improvement

[Stakeholder Analysis Matrix Template](#)

Tools4Dev. Stakeholder Analysis Matrix Template. Tools4Dev Website. 2014.

- Stakeholder analyses are useful for both IIS and QI. The link above provides a direct connection to the Tools4Dev Stakeholder Analysis Matrix template with directions on how to complete the matrix.

[Organizational Readiness to Change Assessment \(ORCA\) Tool](#)

ORCA Tool. National Collaborating Centre for Methods and Tools.

- Assessing a settings' readiness to implement a new initiative is critical to understanding implementation success and planning implementation strategies. This website provides an overview of the ORCA tool, when and how to use it in research.

[Aims Statement](#)

Aims Statement. Minnesota Dept. of Health. Airborne Precautions - Minnesota Department of Health.

- This webpage includes a downloadable template and detailed instructions for creating QI aims statements.