

Evidence and Theory in Support of Guideline Implementation

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Definition of Learning

“[Learning means] acquiring knowledge and skills and having them readily available from memory so you can make sense of future problems and opportunities.”

Source: Brown PC, Roediger HL III, McDaniel MA. 2014. Make it stick: the science of successful learning. Cambridge (MA): Belknap Press of Harvard University Press ; p. 2.

To what extent is *learning* the solution to the challenge of guideline implementation?

Examples of Interventions

Educational

- Educational meetings
- Academic detailing
- Performance measurement and feedback of patient care data
- Practice facilitation

Patient-mediated interventions too!

Administrative

- Clinician reminders
- Standing orders
- Pay-for-performance (P4P)
- Team care and practice redesign
- Performance improvement

Reasons Why Interventions Work (and Strategies to Accomplish Them)

- Relevant (Needs assessment)
- Intensive (Multifaceted interventions)
- Logical (Sequencing)
- Engaging (Interaction)
- Encouraging (Commitment to change)

Sources: Dolcourt JL. 2000. Commitment to change: A strategy for promoting educational effectiveness. JCEHP. 20:156-163. Mazmanian PE, Davis DA. 2002. Continuing medical education and the physician as learner: Guide to the evidence. JAMA; 288(9):1057-1060. Van Hoof TJ, Meehan TP. 2011. Integrating essential components of quality improvement into a new paradigm for continuing education. JCEHP; 31(3):207-214.

Expanded Outcomes Framework

- Level 7: Community Health
 - Level 6: Patient Health
 - Level 5: Performance
 - Level 4: Competence
 - Level 3b: Procedural Knowledge
 - Level 3a: Declarative Knowledge
 - Level 2: Satisfaction
 - Level 1: Participation
- Implied aspects of Levels 2-4:
- Attitude
 - Skill

Source: Moore DE, Green JS, Gallis HA. 2009. Achieving desired results and improved outcomes: Integrating planning and assessment throughout learning activities. JCEHP; 29(1):1-15.

Learning Science Strategies

- Distributed learning
- Retrieval practice
- Interleaving
- Elaboration

Sources:

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Thank you!

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