IMSH 2024 Workshop Booklet

IMPLEMENTATION 101:

AN EXPLORATION OF IMPLEMENTATION SCIENCE STRATEGIES AND APPLYING THE ADAPTED IMPLEMENTATION MODEL FOR SIMULATION (AIM-SIM)

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RESOURCES

SCAN THE QR CODE TO ACCESS THE IMPLEMENTATION RESOURCES USED IN THIS WORKSHOP!

OBJECTIVES

Objective 1: Define implementation science

Objective 2: Recall key implementation frameworks and outcomes

Objective 3: Demonstrate the application of some of implementation sciences tools to the implementation of simulation programs in health professions education

CASE STUDY

In response to the need for efficient and cost-effective training for nurses in interosseous insertion (IO) skills, a collaborative initiative has been established between a hospital's nurse education department and a local university-based research and innovation hub. This project aims to develop inexpensive IO simulators to train 500 nurses over a year, considering the constraints of a limited budget.

Scan the QR code to get more details about the case study!

ACTIVITIES

Activity 1: Develop your implementation team

Activity 2: Adjust the Hexagon's "Fit" domain to fit the nature of implementation

Activity 3: Determine your CFIR constructs

Stage 1

Explore

Activity 1: Develop your Implementation Team

Identify your implementation leaders (people in the organization who have been formally appointed with the responsibility of implementing the program as a coordinator, manager, team leader etc).

Identify your opinion leaders (people in the organization who have influence on others with respect to the program).

Identify your champions (people dedicated to supporting the program and overcoming possible barriers).

Identify your external change agents (people who are affiliated with an outside entity such as Ministry of Health, Colleges, who formally influence or facilitate decisions).

Stage 1
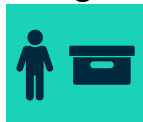
Explore

Activity 2: Adjust the Hexagon's "Fit" Domain

Adjust the Hexagon's "Fit" domain to fit the the nature of implementation:

1. How does the program or practice fit with priorities of the implementing site?
2. How does the program or practice fit with family and community values in the impacted community, including the values of culturally and linguistically specific populations?
3. What other initiatives currently being implemented will intersect with the program or practice?
4. How does the program or practice fit with other existing initiatives?
5. Will the other initiatives make it easier or more difficult to implement the proposed program or practice and achieve the desired outcomes?
6. How does the program or practice fit with the community's history?

Develop 5 questions that you could use to assess the fit between the program (IO for nurses) and the host site (hospital based sim lab).

Scan the QR code to view the other domains of the Hexagon Tool.

Stage 2

Plan

Activity 3: Determine CFIR Constructs

Rate the CFIR constructs as importation or not important to consider when developing an implementation plan (in the context of the simulation program that we are working with).

V. IMPLEMENTATION PROCESS DOMAIN		
CONSTRUCT	NOT IMPORTANT	IMPORTANT
A. Teaming - Join together, intentionally coordinating and collaborating on interdependent tasks, to implement the Simulation Program.		
B. Assessing Needs - Collect information about priorities, preferences, and needs of people.		
B1. Simulation Program Deliverers - Collect information about the priorities, preferences, and needs of deliverers to guide implementation and delivery of the Simulation Program.		
B2. Simulation Program Recipients - Collect information about the priorities, preferences, and needs of recipients to guide implementation and delivery of the Simulation Program.		
C. Assessing Context - Collect information to identify and appraise barriers and facilitators to implementation and delivery of the Simulation Program.		
D. Planning - Identify roles and responsibilities, outline specific steps and milestones, and define goals and measures for implementation success in advance.		
E. Tailoring Strategies - Choose and operationalize implementation strategies to address barriers, leverage facilitators, and fit context.		

V. IMPLEMENTATION PROCESS DOMAIN CONT.

CONSTRUCT	NOT IMPORTANT	IMPORTANT
F. Engaging - Attract and encourage participation in implementation and/or the Simulation Program.		
F1. Simulation Program Deliverers - Attract and encourage deliverers to serve on the implementation team and/or to deliver the Simulation Program.		
F2. Simulation Program Recipients - Attract and encourage recipients to serve on the implementation team and/or participate in the Simulation Program.		
G. Doing - Implement in small steps, tests, or cycles of change to trial and cumulatively optimize delivery of the Simulation Program.		
H. Reflecting & Evaluating - Collect and discuss quantitative and qualitative information about the success of implementation.		
H1. Implementation - Collect and discuss quantitative and qualitive information about the success of implementation.		
H2. Simulation Program - Collect and discuss quantitative and qualitative information about the success of the Simulation Program.		
I. Adapting - Modify the Simulation Program and/or the Inner Setting for optimal fit and integration into work processes.		

Scan the QR code to view the other CFIR constructs.