Article title: Employee-Driven Innovation in Health Organizations: Insights From a Scoping Review

Journal name: International Journal of Health Policy and Management (IJHPM)

Authors' information: Stephanie B.M. Cadeddu^{1,2}*, Labante Outcha Dare³, Jean-Louis Denis^{1,2,4}

¹Health Hub: politics, organizations, and law (H-POD), University of Montreal, Montreal, QC, Canada.

Montreal, QC, Canada

(*Corresponding author: stephanie.cadeddu@gmail.com)

Supplementary file 3. Overview of EDI Methods

Table S6: Top-down EDI methods

Components	Team-based	Learning-based	Digital	No mention of learning,
Methods	(n=7)	(n=10)	(n=6)	team, or digital components (n=11)
Participatory (n=9)	conference methodology ⁹⁰	innovating process ⁷⁷ 2. Participatory deliberative approach with a logic of training ³⁵	discussion forum ⁵¹ 2. Digital approach: workshop on text-mining from digital hand-note ⁹⁵	Focus group with healthcare workers in the targeted long-term healthcare unit ⁸⁰ Participatory action research ⁸¹ Integration of various
	1. Teaching and mentoring a "Frontline Innovation" group 66			stakeholders in decision- making ⁹¹
Design tool (n=7)	-	1. Trained to use a design process ⁹⁴ 2. Teaching Design-Thinking ⁶⁵	user-driven product/activity design (UPAD) approach ⁵⁹	User-centered collaborative design ⁶³ Design Thinking ⁷¹ Design Thinking ⁷⁰
		Developing a digital tool using design thinking while learning how to use the tool for innovation ⁹⁷		
Participatory (n=1) and design (n=1)	1. Creating "future groups" and combining focus group and design-led techniques ⁹²	-	-	-
	Multidisciplinary teams invited to apply to The Brigham Care Redesign Incubator and Startup Program ²⁰	-		1. Innovation contest ⁵⁰ 2. Solicitation of brief innovation proposals ⁸³ 3. Grant application at the Innovation & Digital Health Accelerator ⁸⁸ 4. Grant-based method for research and innovation project ⁸⁹ 5. Innovation tournament ⁴³
Quality improvement (n=5)			Kaiser's quality improvement program using video-ethnography ⁸⁵	-

²University of Montreal Hospital Research Centre (CRCHUM), Montreal, QC, Canada.

³School of Public Health, University of Montreal, Montreal, QC, Canada.

⁴Department of Health Management, Evaluation and Policy, School of Public Health, University of Montreal,

	1. Creation of Unit-Based Teams that are trained to use improvement tools ⁷⁹			
management, social	clinicians was set up and the	To innovate following the Social Entrepreneurship programme ²⁴	-	-

Table S7: Hybrid EDI methods

Components Methods	Team-based (n=5)	Learning-based (n=0)	Digital (n=0)	No mention of learning, team, or digital components
Participatory methods (n=2)	-	-		Regularly scheduled meetings to discuss and explore challenges ⁶¹ Positive Deviance technique ⁸²
	1. Hiring of a multidisciplinary team using the PDSA model ⁶⁴		-	-
Indistinguishable methods	Formation of a Nursing Practice Committee ⁷³ Formation of a multidisciplinary committee ⁸⁶ Formation of a domestic violence working group ¹⁵ Building a team and using evidence- based review ⁶⁸	-	-	-

Table S8: Bottom-up EDI methods

Components	Team-based (n=1)	Learning-based (n=0)	Digital (n=0)	No mention of learning, team, or digital components
	1. Using quality improvement tools in teams ⁷⁹	-	-	-
Indistinguishable methods	-	-	-	1. Experimental process ^{56,97} 2. Social innovation theory ²⁵