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Competencies of Nurse Managers in leading innovation processes in Healthcare Organizations

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Background

An Innovation is defined as the development (generation) and/or use (adoption) of new ideas or behaviors.

(Walker, 2008; Damanpour & Wischnevsky 2006; Amabile 1988)

A **Nurse Manager** is responsible for translating organizational culture and strategy into operations, through:

- manage resources
- coordinate nursing care
- plan and evaluate services
- encourage teamwork
- implement innovative practices

(González-García et al., 2021)









Aim of the study

To develop an instrument aimed to measure the competencies of Nurse Manager to successfully lead innovations.

It was developed three scales finalized to conduct a survey that measures:

- The managerial behaviors
 - "The intentional generation, introduction, and application of an idea within a group, or organization in order to benefit group or organizational performance" (Janssen, 2000)
- The managerial innovativeness
 - "A personality construct defined as a readiness for change" (Hurt et al. 1977)
- The **adoption of innovation** in the Healthcare Organisations
 - "The process that leads to the assimilation of a product, process, or practice, new to the adopting organization" (Walker, 2008)









Items generation and scales development

Literature Review about the domains:

«innovative behavior»
 «innovativeness»
«innovation adoption»



Review of existing validated questionnaire



Development of initial set of items:

61 items to measure managerial innovative behaviors

20 items to measure managerial innovativeness

14 items to measure innovation adoption









Focus Group and Pilot Test

Focus Group

1 clinical psychologist
1 clinical sociologist
1 nurse manager
4 researchers

To revise the initial version questionnaire in writing and rating

Pilot Test

N =17 Nurse Managers in two Healthcare Organizations

To evaluate if they could understand the items and if they could give us a various range of responses

Final set of items

- 24 items to measure the managerial innovative behaviors
 - 17 items to measure the managerial innovativeness
 - 16 items to measure the innovation adoption









Instruments

Innovative behaviours	How often did you engage in these behaviors?							
Illiovative beliaviours	Always	Often	Sometimes	Rarely	Never			
Activate expert to explain and motivate change								
Organize meetings to share experiences and knowledge gained from the change								

Innovativeness	How much do you agree with these statements?					
	Strongly disagree	Disagree	Impartial	Agree	Strongly agree	
I'm stimulated to try new ideas						
I am looking for new ways to do things						

Type of innovations	Has it been designed in your context?			In which one of these have you contributed the most?		
Adoption of new organizational models of care	0	Yes, successfully	0	I proposed the idea		
	0	Yes, but not successfully	0	I actively partecipated		
	0	Yes, but it has to be completed	0	I coordinated the process		
	0	No, it is not designed	0	I did the thinghs that they said me		
Activation of dedicated services closer to the user	0	Yes, successfully	0	I proposed the idea		
	0	Yes, but not successfully	0	I actively partecipated		
	0	Yes, but it has to be completed	0	I coordinated the process		
	0	No, it is not designed	0	I did the thinghs that they said me		









Validation phase

The questionnaire was defined using **EU-survey platform** and it was sent via e-mail addresses to **1136 Nurse Managers**, working in Public and Private Healthcare Organisations in the Veneto Region

The **rate of response** was **47%** (N = 537 Nurse Managers)











Next Steps

Exploratory Factor Analysis and Confirmatory Factor Analysis will be conducted into validation study

Descriptive and inferential analyses will be conducted into descriptive study

Based on questionnaires' outcomes, 20-30 Nurse Managers will be selected for interviewing into qualitative study





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