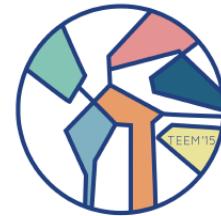




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Technological Ecosystems for Enhancing Multiculturality TEEM'15

**DESING OF THE INSTRUMENT TO
EVALUATE INNOVATION IN
HEALTHCARE CENTERS**

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Porto, 2015, October, 7, 8, 9



Although it has:

MAIS-BFC

Universal Health Coverage

Decentralized health services

Health conditions did not improve and the health failed to become a key element for the social and productive development

the percentage of children under 6 months exclusively breastfed was 39.4%

The rate of children under 36 months with all basic vaccines got only 26%

The quota of children subjected to proper growth and development control equated to 40.9%

Neonatal mortality rate: 7.6 infant deaths per 1,000 lives

Infant mortality rate: 13 deaths per 1,000 lives

Incidence of anemia in children aged under 5: 25.27%

Women who reported difficulties to access health services: 53.93%

The number of maternal deaths was 17

49.4% of Lambayeque population counted on the help of a health insurance

REASONS Situation or operational / supporting processes may not be the problem. The main cause would be the way health services are provided. This justifies innovation of services at healthcare centers



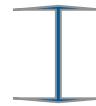
Consequently, the design of a survey is needed for the purpose of collecting information to assess factors associated with process innovation in healthcare centers, which allow us to propose innovative programs to increase coverage and ensure health care of people.

Health Lambayeque, Peru, 2013



PROBLEM

which will design a survey that is intended to assess factors associated with innovation in health centers?



OBJECTIVE

the design of a survey is needed to assess the factors associated with process innovation in health centers



Qualitative study

Literature Review

That most research studies are conducted within establishments of greater complexity (Hospitals and Health Institutes) and are related to clinical and epidemiological works

This makes innovation possibilities low and access to health services limited

Human resources (HHRR)

Technological research procedures (TRP)

Infrastructure and technological equipment (ITE)

Categories :

HHRR

TRP

ITE

Characteristics :

- Knowledge
- Motivation
- Scientific application

Implementation of methods and tools of technology research

room and scientific and technological equipment

Purpose :

Determine the scientific and technological capacity for innovation

Determine the technological capacity of healthcare centers

Determine the capacity of technological investment

Rational validity:

- Design appropriate questions according to the categories
- Peer-reviewed questions
- Pilot test(interaction with providers)
- Redesign questions and design answers
- Automated processing

Method



SURVEY DESIGN

Indicators	Answers	Scores	HHRR	TRP	ITE					
			16 (1 - 16)			16 (17 - 32)				
			Always	Sometimes	Never	Always	Sometimes	Never		
Ranks	25 - 32			17 - 24			0 - 16			
HHRR	Human resources know research processes for innovation			Human resources make an attempt to know the innovation processes			Human resources require training on methodologies			
Ranks	25 - 32			17 - 24			0 - 16			
TRP	The center provides research methods and technology tools for innovation			The center makes an attempt to provide methods and technology tools for innovation			The center requires training to implement research programs and plans to innovate health services.			
Ranks	10 - 12			7 - 9			0 - 6			
ITE	The institution owns infrastructure to support innovation.			The institution makes an attempt to obtain infrastructure to support innovation			The institution requires training to implement public investment projects in a matter of science, technology, and development.			
Final outcome	58 - 76			39 - 57			0 - 38			
	Innovative institution			The institution goes after innovation and requires training on technology research			The institution is not innovative and requires training on research methodology as well as technology tools and rooms for innovation			

Results



The categories to be considered for the design of a survey that evaluates the innovation takes place or not in the Health Centers are three: Technological capacity of healthcare providers, technological procedures and level of infrastructure and technological equipment with which providers have for science, technology and innovation.

The survey design was validated in a qualitative manner with rational validity by background analysis, expert judgment and application of interactive pilot.

The design of the survey is part of the purpose of improving the health of the population.

The evaluation of innovation through the survey requires the participation of all providers of a health center; which it is difficult to achieve and can lead to distort the results. This issue is a limitation that must be considered.

It is required to continue the research on design and validity of the instrument from the quantitative perspective, perform descriptive research for construct validity, investigations relating for demonstrate the reliability of the instrument; explanatory research for you ensure stability and applicative research to evaluate the efficiency of the survey.

Conclusions



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