HECRO → Support for the diagnosis and treatment of chronic wounds

The need

Chronic wounds are skin lesions of more than 4 weeks of evolution that have little or no tendency to healing. Their prevention and treatment are one of the most common care actions within the health activity of nursing professionals in the different care contexts (hospital, primary and social health care). The prevalence of chronic ulcers is high in all countries and settings. Once the ulcer has developed, the correct identification of the type of lesion is a challenge for many professionals, as well as the subsequent choice of the appropriate product for treatment due to the continuous development of new materials and solutions for healing. This generates a wide variability in the response of professionals, which hinders the evolution of wounds by increasing the avoidable costs and treatment time of these injuries.

The solution

A smart digital tool (both desktop and responsive modules) to assist the user with the correct diagnosis of different ulcers and chronic wounds, to guide the user through the process of wound cleaning and treatment and to facilitate the analysis of the wound healing process. The prototype is valid for care at the health centre or at the patient's home.

Impact

The key aspect of the project was the acceptability of the healthcare personnel of the co-created intelligent assistant. Two indicators were used to measure its success - the first measures user average satisfaction and the second the probability of recommendation to third parties (Net Promoter score) - which, in both cases, resulted in a rating of excellent by the users of the assistant.

- Average Satisfaction Score of nurses = 8.87/10
- Net Promoter score →50, excellent (from -100 to 100)

(*) These results come from a trial period between Jan -Mar 2020 with 47 primary care nurses and hospital nurses.

#Chronicwounds

#Nursing

#DigitalTools

Co-creation and Business Support

Pilot region: Murcia (Spain) | June 2019-September 2020

Challenger	Solver	Users	Supporter	Funder
SMS	Aslogic	Nurses	Ticbiomed	INFO
1 innovation professional 1 IT professional 5 nurse supervisors	1 CEO 1 Data Scientist 4 software developers 1 designer	47 primary care and hospital nurses	2 business supporters	2 experts

Hear the stories!

> *InDemand has given us the opportunity to materialize an idea. Hecro is a tool that helps professionals in the care of their patients with chronic wounds, based on the best available evidence and expert support, facilitating their daily work*

Antonio Martínez Bernal, Nursing Área Supervisor at SMS

> *In addition to the satisfaction of helping patients with chronic wounds, inDemand allowed us to team up with healthcare professionals to address the kind of challenges that we are passionate about.*

Pau Folch, Data Scientist at Aslogic

> *As a user in the Internal Medicine hospitalisation unit, I find this tool very useful in the diagnosis, treatment and follow-up of chronic wounds. It can be used on a daily basis and is essential for a joint and continuous treatment between Primary and Specialised Care.*

María José Ruiz, Nurse at SMS

About inDemand

inDemand boosts digital health solutions proposed and co-created with healthcare profesionals

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