



The challenges and benefits of DIGITALIZED COACHING IN LEARNING PROCESSES

in the on-going DigiNurse Project [1.9.2017-31.8.2020]

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Background

Recent ICT and technological development in health care has brought the need for future nurses to appreciate the importance of using new technologies and assist their patients to self-manage chronic diseases[1-3].

To fulfil the gap in the nursing curriculum, a generic model called the DigiNurse model is under development. This model carefully supports the selection, observation and evaluation of teaching and learning methods that enhance nursing students' digital learning.

DigiNurse model contributes towards students' mentors and students to understand and use assisting devices and applications during coaching and clinical training respectively. Consequently, the model will contain organisational, educational and professional elements that will not only develop the students' digital competences but also support their professional growth.

Objectives

- 1) Develop a DigiNurse model for patient self-determination in chronic illnesses
- 2) To train students, teachers, healthcare professionals, student instructors, clients / patients, representatives of the third sector to utilize DigiNurse
- 3) Be in partnership with national technology companies
- 4) Improve co-operation and networking between participants



Expected results and application

This model is expected to promote learning and apply digital and communication skills to supporting self-management through online coaching and use of mobile health tools in all collaborating educational institutions.

We expect training 30 individual members, 600 students, 65 lecturers and 15 mentors. Also, we anticipate nursing students optimizing the digital resources that they are allocated to support and coach self-management of patients suffering from chronic conditions.

Benefits & Challenges

Digital health literacy among student nurses, teachers, mentors, patients and other actors in the health sector will increase. Technology and its application by different health care actors may not be readily accepted.

Project Steps

- » Literature review of best digital practices (Digital Coaching, communication and self-management, ICT learning theories and tools)
- » Development of a questionnaire exploring student nurses' perceptions on their acceptance of the use of digital tools in their curricula and in the development of their coaching skills
- » Creation of a website for dissemination of information and practical guidelines on how to use the DigiNurse Model

Conclusion

The DigiNurse model will offer the necessary learning digital skills in nursing which in turn help in the coaching of patients' self-management with chronic conditions. A set of practical guidelines how to use this model will be developed.

Keywords

digitalization, coaching, behavioural counselling, healthcare, e-health,



References

1. Álvarez-Nieto C, Richardson J, Parra-Anguita G, Linares-Abad M, Huss N, Grande-Gascón ML, et al. Developing digital educational materials for nursing and sustainability: The results of an observational study. *Nurse Educ Today*. 2018;60:139-46.2. Armstrong SN, Burcin MM. Digital Health Education for the Fully Online College Student: An Exploratory Study. *American Journal of Health Education*. 2016;47(6):385-93.3. Banchs JE, Scher DL. Emerging role of digital technology and remote monitoring in the care of cardiac patients. *Med Clin North Am*. 2015;99(4):877-96.

