



DigiCare

Educating Students for Digitalized Health Care and Coaching of their Patients – DigiCare Erasmus+ CBHE (2019-2023)

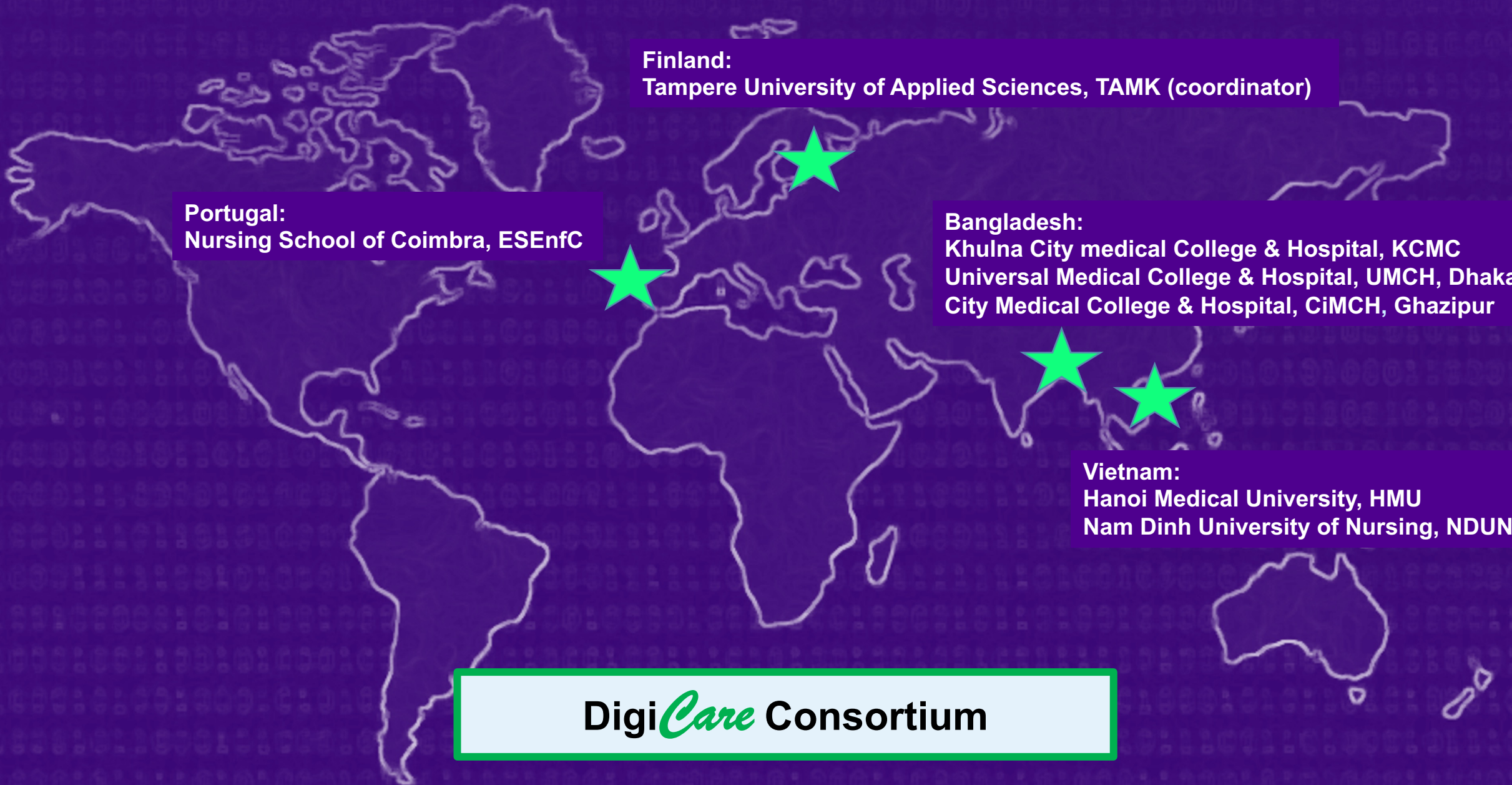
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Portugal:
Nursing School of Coimbra, ESEnfC

Finland:
Tampere University of Applied Sciences, TAMK (coordinator)

Bangladesh:
Khulna City medical College & Hospital, KCMC
Universal Medical College & Hospital, UMCH, Dhaka
City Medical College & Hospital, CiMCH, Ghazipur

Vietnam:
Hanoi Medical University, HMU
Nam Dinh University of Nursing, NDUN

DigiCare Consortium



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Escola Superior de
Enfermagem de Coimbra



DigiCare starting points

Digital skills and competences in supporting self-management is not commonly a part of the healthcare curriculum.

The need for self-management support is increasing in aging Asian society (e.g., increasing global burden of NCDs).

A formally designed concept for learning digital skills for supporting patients' self-management is needed.



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DigiCare Definition

Digi *Care* Model and RoadMap will help future healthcare professional to employ the environmental conditions

(physical environment, technology, support, cultural perspective, economy, privacy and policy)

by utilizing **digital coaching**

that emphasizes communication, patient initiation and feedback to support patients with chronic disease and their families to achieve self-management competency, self-care motivation and health literacy towards positive health and quality of life.



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Goal of the DigiCare

Increase healthcare professionals' and students' digital and patient coaching competency, and provide high quality care in Asian HEIs.





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Challenges or/and Possibilities?

Barriers for self-management

- Limitation due to personal conditions
- Inadequate technological competence
- Poor usability of technology

Students' Digital Competence

- Digital knowledge
- Digital skills
- Attitude towards digital issues

Ethical issues in digital healthcare

- Patients' rights in digital healthcare
- HCPs responsible behavior in digital healthcare
- Governance of healthcare data
- Equity in digital healthcare

Consortium challenges

- Diversity of attitudes, perspectives, working strategies
- Orientation to present situation
- Current infrastructure
- Present education philosophy and practices



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DigiCare
Educating Students for Digitalized Health Care and Coaching of their Patients

The DigiCare project aims to design a DigiCare Model in Asian context which enables health care students to learn how to support and coach self-management of patients more efficiently utilizing digital devices and technologies. The DigiCare Model will be a generic model to fit in any local and regional teaching or working culture in health care. The model will include:

- The overall goal of DigiCare project is to increase digital competence of health care staff and provide patients quality care in Asian HEIs. The goal will be achieved by improving health care education programs using digital tools and practices in health care curriculum and developing students' skills to use devices and communication technologies to enhance patient care and coach patients' self-management. In addition to DigiCare Model, the project will develop guidelines of applying the DigiCare Model to health care education and expand previously established DigiNurse Community.
- The DigiCare project consortium is coordinated by Tampere University of Applied Sciences (TAMK), Finland and partnered with Nursing School of Coimbra (ESE/CI) from Portugal, Hanoi Medical University (HNMU) and Nam Dinh University of Nursing (NDUN) from Vietnam, Khua City Medical College (KCMCH), City Medical College & Hospital (CIMCH) and Universal Medical College & Hospital Ltd (UMCH) from Bangladesh. The project is funded by Erasmus+ Capacity Building in Higher Education Programme.
- The expected outputs of the DigiCare project consists of integrating DigiCare Model into the minimum of 30 nursing courses, exposing minimum of 100 health care teachers and 700 health care students to DigiCare enhanced education and providing DigiCare enhanced care to 700 patients.

Outputs achieved:

- 5 literature reviews, summaries available in the project website
- 3rd DigiCare Model Draft
- 4 out of 6 DigiCare pilot cycles completed
- 17 DigiCare enhanced courses
- 99 teachers participated in DigiCare pilots
- 540 students participated in DigiCare pilots
- Students' skills and feedback questionnaires implemented

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DIGICARE ECOSYSTEM

System Management
Commitment

Human
- Patient
- Family cent

Environment
- Support (Family, peers, social...)
- Technology
- Physical Environment
- Culture
- ECONOMICAL

Tools
How to do STSP

Handwritten notes on sticky notes include:

- Integrate digital tools into the curriculum
- Develop digital competencies of health care staff
- Provide digital patient care
- Enhance patient self-management
- Use digital devices for patient education
- Implement digital coaching
- Use digital tools for patient assessment
- Use digital tools for patient monitoring
- Use digital tools for patient evaluation
- Use digital tools for patient feedback
- Use digital tools for patient support
- Use digital tools for patient empowerment
- Use digital tools for patient engagement
- Use digital tools for patient participation
- Use digital tools for patient collaboration
- Use digital tools for patient communication
- Use digital tools for patient interaction
- Use digital tools for patient connection
- Use digital tools for patient relationship
- Use digital tools for patient community
- Use digital tools for patient network
- Use digital tools for patient ecosystem

Pictures by Nina Smolander



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Consortium Achievements



<p>Impact on consortium</p> <ul style="list-style-type: none"> • Improved comprehensive digital competences • Future oriented perspectives and ambitions • Recognition of potential, innovative possibilities • Advanced educational methods 	<p>Curriculum Development</p> <ul style="list-style-type: none"> • National & regional policy maker meetings • Curriculum integration succeed & ongoing • Nursing Competency – coaching added in Vietnam 	<p>Students' Competences</p> <ul style="list-style-type: none"> • Very promising preliminary results • Increased coaching & digital competences • Enhanced technology acceptance 	<p>Self-management competences</p> <ul style="list-style-type: none"> • DigiCare model seems to achieve positive impact. • Mid and Long-term impact pending • Infrastructure development



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Thank you!



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