



Prifysgol Cymru
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University of Wales
Trinity Saint David

Course: BSc (Hons) Health and Social Care
Module: Independent Project (BMHP6020_LON)

Assessment title: Stage 1 - Project Proposal

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Main Project Proposal

Title: Digitalization in healthcare systems in Aging populations.

Aim:

The aim of this project is to understand the impact of digital innovations in healthcare systems for older adult.

Objectives:

It will be essential to analyze the impact of new technologies on ageing people with different health and social care needs. It will be important to achieve the following objectives:

1. Evaluate the existing literature on the practical application of national digital health and identify the impact on the elderly.
2. Analyze the attitudes and experiences of developers for national implementation of the technology over time.
3. Identify and explain what promotes or inhibits the integration of digital health into the healthcare system.
4. Identify suggestions for future developments of national digital health policies and practices.

Background:

Digital health can be defined as "the use of modern information and communication technologies (ICT) to meet the needs of citizens, patients, health professionals, healthcare professionals and policymakers" (WHO, 2016).

According to recent studies, the world population is progressively ageing; people over 60 are the age group growing fastest compared to other groups due to better life expectancy and low birth rate (WHO, 2017).

Fortunately, new information and communication technologies are helping to improve the quality of life, especially for the population with complex health and social care needs.

Healthcare services are overwhelmed by demand, so preventive care needs to be implemented to reduce the burden on healthcare services by improving the quality of life of older people who, according to a statistic from the National Statistic Services, number more than 11 million in the UK people aged 65 and over (ONS, 2022).

To achieve this, it is necessary to support the elderly using digital health resources. Assistive technology is an important strategy to help the elderly maintain their quality of life, their ability to live their daily lives and, not least, live independently for longer and also to reduce the costs of health services.

The National Health Service (NHS) program sets out the foundations for digital health and social care to support people to live healthier lives and use fewer care services using technologies such as mobile phones and smartphones, tablets and smart televisions (NHS, 2016).

Methods:

I chose the Evidence Focused Project - Option 1, Focus on 10 Articles.

Qualitative research method.

A systematic literature review will be performed to assess the impact of digitization on the quality of healthcare for older adults. Publications from the last five years will be used. To ensure the quality of the study, only academic articles will be included, as published in English and originating from the UK. Medline and PubMed are the databases that have been used for research articles. Data will be collected using secondary research, and all studies reported outcomes for adults 65 and older.

Resources:

This project uncovers the role of digitization in healthcare and answers the following research questions:

- How has the literature on digital technology in healthcare evolved over time?
- What factors contribute to the success or failure of implementation in the digital health sphere?

Timescale:

This thesis will begin in March 2023 and will be completed in August 2023.

	Abstract	250-300 words	
Chapter 1	Introduction	1000 words	
Chapter 2	Background	2000 words	By the end of March
Chapter 3	Methods	2000 words	By the 10 of July
Chapter 4	Results and Discussion	4000 words	By the end of July
Chapter 5	Reccomendations and Conclusion	1000 words	By the 14 of August

Self-reflection as researcher (any strengths or challenges):

I believe that my main strengths are being organised and determined.

Inversely, I faced such difficulties writing the work as an academic writing skill. I searched for information for a long time and needed time to process it, lacking vocabulary.

References

NHS, 2016. *The Forward View Into Action: Paper-free at the Point of Care Guidance for Developing Local Digital Roadmaps*, s.l.: s.n.

Available at: <https://www.england.nhs.uk/digitaltechnology-old/wp-content/uploads/sites/31/2016/11/develop-ldrs-guid.pdf>

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ONS, 2022. *Voices of our ageing population: Living longer lives*. [Online]

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