

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

Assessment title: Stage 1 - Project Proposal

Student ID: 1919241

Student Name: GEORGE ONYEKA

Date of submission:

Word count: 500

Main Project Proposal

My project title: THE USE OF ARTIFICIAL INTELLIGENCE IN THE CARE OF THE ELDERLY IN THE UK, ITS CHALLENGES AND OPPORTUNITIES

Aim: The aim of this project is to look at the advantages and disadvantages of the use of artificial intelligence (AI) in the care of the elderly in the UK.

AI aims to provide interventions aimed at supporting the elderly and helping the service providers.

Objectives: The objective of this project is to look at how the use of AI has been applied in recent times in the care of the elderly in the UK. It will explore the way through which AI has brought transformation to many areas of elderly care, diagnosis, and engagement of patients and also look at issues that have emanated from it, which borders on issues like data protection, integrity, and other ethical issues, etc. and to provide recommendations for the use of AI on the elderly.

Background: Artificial intelligence has global relevance now and has brought much improvement in providing service in the healthcare sector (Davenport & Kalakota, 2019).

The challenges that come along with the use of AI must be addressed too. Such areas include accountability for the AI used, the carer-client trust is very important and where the AI takes over the care of the patient, that trust is then broken.

Methods: I will adopt the systematic literature review in carrying out this research.

This is evidence focused.

Thematic analysis is also applied in accomplishing this project (Caulfield, 2022)

This work strictly adheres to the summary of findings on the impact of artificial intelligence on the care of the elderly in the UK.

Resources: In writing this project I will be using online resources, such as Google Scholar, PubMed, ProQuest Central, Science Direct, Ebsco Host, and Scopus. I will also make use of teachings from my class tutor and materials from the university library, e-books, and relevant academic articles. Official websites of the National Health Service (NHS), Gov.UK, Public Health England, National Institute of Health and Care Excellence (NICE), and the World Health Organisation (WHO)

Timescale: I have slated my timescale in the following order: a) Aim and Objectives and background: to be completed by end of November 2022

B) Methods: To be completed by Mid January 2023

C) Conclusion: To be concluded by end of February 2023

Self-reflection as a researcher (any strengths or challenges): *I have a very good writing reading skills, good academic attainment and my weaknesses include poor IT skills*

References

Caulfield, J. (2022) *How to do thematic analysis: Guide & examples*, Scribbr. Available at: <https://www.scribbr.co.uk/research-methods/thematic-analysis-explained/> (Accessed: October 30, 2022).

Davenport, T. and Kalakota, R. (2019) *The potential for artificial intelligence in Healthcare*, *Future healthcare journal*. Royal College of Physicians. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6616181/> (Accessed: October 30, 2022).

Linares-Espinós E;Hernández V;Domínguez-Escrig JL;Fernández-Pello S;Hevia V;Mayor J;Padilla-Fernández B;Ribal MJ;, E. *et al.* (no date) *Methodology of a systematic review*, *Actas urológicas españolas*. U.S. National Library of Medicine. Available at: <https://pubmed.ncbi.nlm.nih.gov/29731270/> (Accessed: October 30, 2022).