

TEKX04-22-14

AI and AI-associated healthcare technology innovations

Arbetet skrivs och handleds på svenska

Background

Healthcare technology innovations are fundamental drivers in the search for better medical outcomes. Artificial Intelligence (AI) is a potentially powerful technology that could act as a vehicle to accelerate innovation.

Problem

The pace of digitalization in the healthcare sector is low compared to other fields and a recently published study (Apell & Eriksson, 2021) revealed that the adoption of AI and AI-associated healthcare technology innovations related to life science applications in the healthcare sector in west Sweden was restricted by the limited number of projects and insufficient articulation by healthcare leaders of the potential to improve healthcare with AI.

Purpose

The main purpose of this study is to re-assess the innovation system performance and to identify the system blocking mechanisms for AI and AI-associated healthcare technology innovations related to life science applications in west Sweden.

The secondary objective is to perform a comparative analysis of the temporal development between 2017 and 2022.

Method

The study shall include both qualitative and quantitative research methods triangulating data from published documents and interviews with business executives.

Contact:

Petra Apell, industridoktorand på Service Management and Logistics (SML)

Henrik Eriksson, professor, Service Management and Logistics (SML)

Reference: Apell, P., & Eriksson, H. (2021). Artificial intelligence (AI) healthcare technology innovations: the current state and challenges from a life science industry perspective. *Technology Analysis & Strategic Management*, 1-15.