

Introduction

Healthcare is an environment that has been experiencing dramatic progress in computing technology in order to process and distribute all relevant patient information electronically and overall to improve the quality of care. In particular, mobile e-health involves a spectrum of information and telecommunication technologies to provide healthcare services to patients who are at some distance from the provider and also to provide supporting tools for the mobile healthcare professional. The benefits of such mobile applications are numerous, with the main one being improvements in access to medical resources and care.

Recently, the healthcare and related sectors have been found to embrace mobile technology in e-healthcare applications. Though there have also been cases of mobile workstations being implemented at small medical units to facilitate easier access to specialist medical advice (e.g., Salmon, Brint, Marshall, & Bradley, 2000), most of the applications have been introduced to support patients at home. These could either be patient centered where patients and/or caretakers are given direct access to a mobile phone for communicating with the provider (e.g., nurse, doctor, counselor, etc.), or nurse centered where nurses who visit and care for patients at home have direct access to mobile applications for communicating with other medical staff.

It follows that the practice of e-health projects is often a collaborative activity requiring extensive and interactive communication within and between members of specialized occupational groups to coordinate patient care services. This becomes necessary when dealing with patients requiring a multidisciplinary team approach to their care, and who are treated outside the hospital environment. In such a case, the team is mostly geographically dispersed and rarely sees the patient together. This requires the creation of virtual multidisciplinary teams of care whose management and coordination can be supported by technology. In the study, we aim to explore the role of diverse stakeholders in an e-health application involving virtual multidisciplinary teams of care. Diverse stakeholders get involved at different stages of the project implementation and may experience different degrees of knowledge about the system itself, its significance, and its novelty. These along with their different backgrounds, interests, and expectations may contribute to different meanings and understanding about the system, its role, and its significance, which will ultimately affect system implementation.

