

Abstract

Objective: There is no published research paper on healthcare devices by disabled persons. The main purpose of the study is to explore how HCDs impact disabled persons and caregivers, and what are the potential opportunities for HCDS adoption in Pakistan in the perception of doctors.

Methodology: The methodology used to conduct the data is content analysis. A total 14 Semi-structured interviews were conducted. 5 interviews were conducted from disabled persons, 5 interviews were conducted from caregivers, and 4 interviews were conducted from doctors. Interviews were audio-recorded and conducted in the Urdu language, then transcribed into English for content analysis

Results: Three broader themes emerged regarding opportunities for HCDs; independence, connectivity, and stress release. Three broader challenges emerged regarding HCDs; expensive, inaccessible, and lack of awareness. Two broader themes emerged for the benefit of caregivers: time-saving and distance monitoring. Two broader themes emerged for the benefits of doctors; fundamental component, and enhance capabilities, Three broader challenges emerged regarding HCDs; customize devices, bionic technology (Limited Facilities)

Conclusion: HCDs has a significant impact on a disabled person as well as caregivers and doctors. Through public-private partnership (P3) Govt. should targeted subsidies these technologies because this technology strives to increase disabled person's independence and productivity.

Keywords: healthcare devices (HCDs), healthcare facility and technology, technology and disabled people, HCDs and caregivers, HCDs and doctors