TECHNOLOGY READINESS AND WEARABLES ACCEPTANCE IN HEATHCARE



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INTRODUCTION

The use of wearable devices for healthcare can significantly contribute to the diagnosis and treatment of diseases. They allow the remote monitoring of patients and the collection and sharing of patients' physiological data, saving the patients' time and the healthcare industry's resources. However, despite the existing potential benefits, the use of these devices is still incipient in society.











Analyze the drivers for patient adoption of wearable technologies for healthcare and propose a model for their acceptance and adoption.

When the set and set Behavioral Intention, Attitude, Perceived Ease of Use, Perceived Usefulness, Self-Efficacy, Technology Readiness, and Trust

Structural Equations Modeling (SEM)

***** Significant effects for these relationships:

- patient Self-efficacy perceptions (0.786) on Perceived Ease of Use of wearable technology
- patient Technology Readiness (0.454) on Perceived Ease of Use of wearable technology
- Perceived **Usefulness** of wearable



technology (0.949) on the patient's Attitude towards using it for healthcare.

***** The model could explain:

- 87.2% of the variance in patient Attitude
- 44.8% of the variance in patient **Behavioral Intention** to adopt wearables for healthcare.

CONCLUSIONS

***** Issues that influence the adoption of wearables for *****Implications for healthcare organizations and public

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healthcare:

 patient self-confidence and familiarity with technologies, • patient technological readiness • patient perception of the immediate usefulness of the technology.

healthcare regulators:

 diffusion strategies should initially target audiences composed of individuals with high technology readiness, marketing strategies should include adequate communication of device use benefits.

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