

Evaluation aspects of the e-Herophilus telecardiology model

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Purpose

The objective of the present work is the generation and evaluation of a National Prototype guaranteeing the quality and the reliability of Telecardiology. Herein we present a framework to evaluate quality in the e-Herophilus telecardiology model.

Materials and Methods

The Hebert quality of care model in Telehealth applications incorporates evaluation methods for the effectiveness of a Telehealth Information System for the patients, the providers and the organizations. The planned level in the construction of a Telecardiology Service should also take into account the “success model of an information system” proposed by De Lone and McLean.

Results

For the quality evaluation of a teleservice it is proposed to take into account the user view, the developer view, the product view and the value-based view. Questionnaires were designed to evaluate user, provider and organization satisfaction.

Conclusions

The following quality issues were considered to evaluate the proposed e-Herophilus model: telehealth network, information standards, medical services provision, communications, interaction, data transmission, teleconsultations, software, health care, life, multimedia, equipment and patient satisfaction. In the under development Telecardiology platform, the transfer of SCP-ECG signal from the patient house to the server is made using Web Services technology and the W3C Recommendation for SOAP Message Transmission Optimization Mechanism known as MTOM.

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