The Use of a Digital Tool in Integrated Management of Childhood Illness

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Abstract

The Integrated Management of Childhood Illness (IMCI) is an international protocol with the objective of reducing child morbidity and mortality in the country and helping health professionals to diagnose and treat children in places with limited access to laboratories and medical equipment.

Many professionals feel ashamed in front of patients or companions when handling the traditional IMCI to find information or ask questions about certain health situations. This manual is extensive, requires annual updates and is difficult to handle, so it gives the impression of insecurity or lack of knowledge.

Based on this scenario and to ensure the best performance of the professionals, this paper describes the creation of an interactive version, through digital implementation to be used in the children care, with the treatments and conducts in media to be made available in an application, with free access to all trained professionals.

After a literature review covering the IMCI theme and the computational knowledge acquisition related to the construction of web pages, the JavaScript programming language and the from English, Hyper Text Markup Language were used to reconstruct and update the interactive IMCI Manual.

After observing the challenges of the present and future expectations in relation to the process of using the digital tool in child care and updating this tool, we obtained a contribution to enrich the professionals' knowledge and to promote a child-centered view and the ability to offer an excellent service.

Keywords: IMCI, child, digital tool