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Chronic diseases, such as heart disease, stroke, chronic respiratory disease and diabetes are the leading cause of mortality in the world. In this paper, we introduce a low cost, secure medical platform for mobile and desktop operating systems able to monitor vital parameters and predict a patient's health status. The prediction on the health evolution is made using an effective approach capable of processing big medical data by correlating the parameter trends with the current patient's state. The purpose of the system is to keep under control chronic-diseases and to transform the patient's life by assuring them the safety and permanent correct treatment they need. Although it can be regarded from many points of view, this paper is oriented towards the system description and components, big data analysis as well as some aspects regarding energy consumption and autonomy.

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