

编号: YY005-20190916001

标题: Accelerate efforts to eliminate cervical cancer: WHO

简介: World Health Organization urged countries in its South-East Asia Region to accelerate efforts to eliminate cervical cancer by 2030.

全文链接: <http://www.searo.who.int/mediacentre/releases/2019/1720/en/>

编号: YY005-20190916002

标题: A medical monitoring scheme and health-medical service composition model in cloud-based IoT platform

简介: Abstract Advanced technologies such as internet of things (IoT) and clouds have significantly influenced on modern medical monitoring systems. Analytical statistics derived from massive patients' medical data via different data analysis methods, contribute in remote medical monitoring, early diagnosis of diseases, predicting clinical events, and recommending vital health/medical instructions. According to existence of the same health/medical services in functional aspect, finding appropriate composite health/medical services by the patients has been remained as a major concern in modern medical systems. Regarding this challenge, in this paper, a medical monitoring scheme for cloud-based IoT platform is proposed, in which the patients' medical conditions are derived through predicting diseases by mining her physiological data collected from IoT devices and other medical records. A disease diagnosis model is used to analyze the patients' medical data for the aim of offering a composite health/medical prescription. After confirming the outcomes by medical team, it is sent to the patient. Then, the patient indicates her nonfunctional requirements such as location, cost and time to find the most appropriate composite health/medical service based on her preferences. Experimental results reveal that the proposed scheme is successful in achieving effective diseases diagnosis for offering composite health/medical prescriptions.

全文链接: http://pan.ckcest.cn/rcservice//doc?doc_id=44240

编号: YY005-20190916003

标题: Development of a Novel Health Promotion System Based on Wireless Sensor Network and Cloud Computing

简介: Existing health promotion systems (HPSs) have some shortcomings, such as lacking in the ability to plan exercise prescriptions (EPs) for individuals automatically, difficulty in acquiring in a timely manner the physiologic signals of users who are doing exercise, and having no efficient mechanisms for notifying medical personnel of users' emergent conditions. Aimed at addressing these shortcomings, in this study, we leverage the technologies of wireless sensor network (WSN), mobile communication, and cloud computing to develop a cloud-based HPS. The HPS contains a health promotion cloud service platform that can construct users' physical fitness models and then generate appropriate EPs for the users to perform various exercises. On the user side, in this study, we design an exercise-sensing device that can timely acquire the physiologic signals and global positioning system (GPS) positioning information of users who are doing exercise through the WSN. Several sensors, such as a GPS sensor, are designed into the exercise-sensing device. The exercise-sensing device can then send those data to the cloud service platform through mobile phone communication to allow the users to master their exercise records. In this study, we also design a cloud alarm mechanism that can efficiently notify medical personnel and family members of the user's emergent states through mobile phone push service. In addition, on the basis of fuzzy inference, we develop an EP adaptation mechanism that can accept the feedback information from the user and can then automatically adjust the user's EP to an appropriate strength level. The results of this study can be a useful reference for constructing new-generation HPSs.

全文链接: http://pan.ckcest.cn/rcservice//doc?doc_id=44242

编号: YY005-20190916004

标题: Digital health technology and mobile devices for the management of diabetes mellitus:

state of the art

简介: Diabetes mellitus is a disease that can be difficult to manage and requires high levels of health literacy and numeracy, self-monitoring and frequent contact with clinicians. If not optimally controlled, diabetes can lead to kidney failure, blindness and cardiovascular complications, which, in turn, contribute to increasing healthcare costs. Although not yet widely used, mobile health (mHealth) tools have enhanced diabetes management and prevention and are likely to play an increasing role with the growth of smartphone ownership and medical device innovations. Recent mHealth interventions targeting type 1 and type 2 diabetes are diverse in their goals and components, and include insulin management applications, wearable blood glucose meters, automated text messages, health diaries and virtual health coaching. In this paper, we review the modalities and components of various impactful interventions for insulin management, diabetes education, self-management and prevention. More work is needed to investigate how individual demographic, socioeconomic, behavioural and clinical characteristics contribute to patient engagement and the efficacy of mHealth tools for diabetes.

全文链接: http://pan.ckcest.cn/rcservice//doc?doc_id=44241

编号: YY005-20190916005

标题: **Evaluating of Mobile Applications and the Mental Activation of the Older Adult**

简介: This article describes how ICTs have changed the ways of socializing among people. Especially the elderly. Thus, an experiment was presented that allowed evaluating 25 older adults in courses using ICT. A qualitative methodology is applied to analyze in particular the situation experienced by older adults in relation to the use of technologies, their experiences at the end of the computer course and how it influences them in their daily lives. Results are obtained derived from taking the technology courses, as well as answering a questionnaire before and after the course. The result shows that the technology allows any adult is able to use a computer, smartphone, tablet among other devices as long as you have patience and do not suffer from any health impediment that prohibits it.

全文链接: http://pan.ckcest.cn/rcservice//doc?doc_id=44238