Abstract

World Health Organization showed at one year about 287 000 women died most of them during and following pregnancy and childbirth in Africa and south Asia. This paper suggests mHealth system for serving pregnant women, that proposed system is first an effective mHealth system works base on mobile GIS to select adjacent care centre or hospital maternity on Google map at online registration for woman pregnant, that is done when the pregnant woman will send SMS via GPRS network contains her ID and coordinates (Longitude and Latitude) the server when receive it will search database support that system and using the same infrastructure for help the pregnant women at her location (home, market, etc) in emergency cases when the woman send SMS contains her coordinates for succoring. Implement the proposed pregnant women system shows more effective from view of cost than other systems because it works in economic (SMS) mode and from view of serve the system can easy and rapidly manage when achieving locally registration, succoring in emergency cases, change the review date of pregnant woman, as well as different types of advising.

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Index Terms

Computer Science
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Pregnant Women  mHealth System  General Packet Radio Service (GPRS); Mobile GIS; Short Message Service (SMS)  Global Position System (GPS)
