

IT-an antidote of medical resources unfairness

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Problem Introduction

Medical unfairness

- A problem that had existed a long time
- High occurrence place: high-popularity districts and developing countries
- Importance: has further effect on our society and future lives (social stability; individual welfare)



Design aims

Aim 1. Preventing resource misallocation

Aim 2. Improving health care in undeveloped areas

Aim 3. Reduce the medical cost



Design

Building an advanced IT system with AI and big data technologies

Potential Implementation

1.a virtual platform, connected with most clinics around the world.

So no matter where the user is, he or she can easily know the nearest and suitable clinic for him/her.

2.Big data analysis to forecast healthcare needs for different regions and population groups.

This will allow policies maker to allocate medical resources more precisely and dynamically.

3.Use medical system to storage information of patient.

Users can prevent severe disease using this and therefore cut their medical cost.

Unique Advantages and Innovations

1. Alleviate the problem of manpower shortage
2. Dynamically managing medical resources based on residential health conditions

Weakness

1.Requires well-developed infrastructure and high maintenance fee

2. Data security

(Should the data and the system be under control of government? If so will it do large harm to private clinic?)

Demo or proof of feasibility

Creating a multi-fuction medical platform. Connecting the system within the countries. Moreover, it is connected to a Central server that can provided support when there have special needs.

Application format: a separate series of app including two system and one app. The first and second system are controlled by countries, respectively functioned as the virtual connected platform and the medical needs analysis. The third one is an app which can be installed in private mode, which shows user's health conditions.

User interface: Users can see and store the health record in apps if they agree. Moreover, they can request the medical needs in the apps.

The system may act as a website for related organizations or government officials to work on it.

Analysis

Medical
Suggestions

Health Condition

Device List

Operating

My devices

Reference

[Medical Doctor Wallpapers HD - Wallpaper Cave](#)

[A passion for health care | sueschade](#)

[Organizations Strengthening Health Care in Developing Countries - The Borgen Project](#)

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