



CCmHI - the China Center for mHealth Innovation - October 2016



The George Institute
for Global Health
China

Facts:

- Mobile health, (mHealth) is the use of mobile technology and wireless devices, to help deliver health care and health information.
- Chronic diseases account for 86.6% of all deaths in China, and 70% burden of all diseases burdens.
- By 2020, there will be an estimated 1.2 billion users of 3G and 4G mobile technology in China – four times the current number.



Partners:

The George Institute, Australia
The George Institute, China
Qualcomm® Wireless Reach™
Chinese Center for Disease Control and Prevention

Supporters:

Qualcomm® Wireless Reach™



Background:

- The Chinese government's 12th Five Year Plan prioritizes the development of affordable, accessible health care for China's entire population. Wide-scale use of mobile technology in health care aligns with the government's policy objectives.
- There is a pressing need for fresh approaches to community healthcare in China and globally, particularly in resource-poor areas.

Aims:

The China Center for mHealth Innovation (CCmHI), was established in late 2014 by The George Institute for Global Health at Peking University Health Science Center and Qualcomm® Wireless Reach™.

CCmHI aims to improve community health care in China through the study of affordable, sustainable mHealth interventions, which target the nation's leading causes of premature death and disability, while supporting the central government's deepened commitment to health care reform.

Methods:

- Build Chinese capacity in digital healthcare development and evaluation, including providing opportunities for student internships and fellowships.
- Develop and evaluate mHealth platforms designed to provide community healthcare workers with evidence-based, personalized guidance about the care of individual patients.
- Target the 10 leading causes of premature death and disability in China.
- Provide solutions that are effective in both urban and rural settings.
- Assist with the integration of mHealth strategies into national and provincial policies and guidelines.
- Support the development and expanded use of mHealth technologies globally.

Impact:

- CCmHI announced white paper in 2015, conducted a landscape analysis of digital health policies, laws, standards, programs and research activities in China, all of which will inform CCmHI's pilot and flagship research efforts.
- CCmHI developed and field test three mHealth programs for chronic disease and maternal health management, which will lead to larger scale mHealth programs in future years.
- China has the potential to affordably create and link sophisticated digital health systems for healthcare workers, electronic health records, point-of-care diagnostics and systems that will enable regional health authorities to monitor and manage the quality and outcomes of community healthcare. Combined with consumer applications that provide tools for self-care use, these new digital health systems can enable solutions to healthcare delivery obstacles. CCmHI will play a lead role in China's evolving mHealth environment.

Contact:

To find out more about CCmHI – the China Center for mHealth Innovation and its Acting Director Associate Professor Puhong ZHANG, or The George Institute for Global Health, contact:

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The George Institute For Global Health:

We're improving the lives of millions of people worldwide through innovative health research. Working across a broad health landscape, the Institute conducts clinical, population and health system research aimed at changing health practice and policy worldwide. Ranked among the top 10 research institutions in the world for scientific impact by the **SCImago Institutions Rankings (SIR) World Reports** in 2011, 2012, 2013 & 2014.



CCmHI - 移动健康 创新中心

- 2016年10月



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事实:

- 移动健康(mHealth)是指通过采用移动技术和无线设备,协助提供卫生保健和健康信息。
- 近年来中国慢性病发病呈快速上升趋势,慢性病导致的死亡人数已占到全国总死亡的86.6%,导致的疾病负担占总疾病负担的近70%。
- 据估计,到2020年,中国的3G和4G移动技术用户将达到12亿,是当前用户数量的4倍。

研究背景:

- 中国“十二五”规划把提供人人享有、优质方便、费用合理的基本医疗卫生服务列为工作重点。移动技术在医疗领域的广泛应用为这项政策目标的实现奠定了技术基础。
- 由于卫生资源相对匮乏,在中国乃至全球范围,基于移动通信技术进行高效健康管理的需求日渐凸显。

主要目的:

- 2014年年末,北京大学医学部乔治健康研究所和Qualcomm®“无线关爱”(Wireless Reach™)计划携手创立了移动健康创新中心(CCmHI)。
- CCmHI旨在通过研究经济实用、可持续性移动健康干预手段,应对中国首要的致死致残疾病或危险因素,支持我国政府深化医疗改革号召。

研究方法:

- 建设中国数字健康研发和评估能力,包括为学生提供实习机会和奖学金。
- 开发、评估移动健康平台,确保社区卫生服务人员为患者提供个体化和实证基础上的指导。
- 重点研究导致中国人早卒和残疾的十大病因。
- 提供城乡均适用的解决方案。
- 支持国家将移动健康纳入中央及地方政策。
- 助力移动健康技术在全球的开发和广泛使用。



移动健康创新中心
The China Center for
mHealth Innovation

合作单位:

澳大利亚乔治健康研究所
中国乔治健康研究所
Qualcomm® Wireless Reach™
中国疾病预防控制中心

支持单位:

Qualcomm® Wireless Reach™



影响:

- CCmHI在2015年11月发布了白皮书,对中国数字健康政策、法律、标准、项目和研究活动开展现状分析,并以此为基础推进中心的试点研究和旗舰研究工作。
- 自成立以来,CCmHI已开展了三项针对慢性疾病及母婴健康管理的移动健康项目,并进行现场测试,这将推动未来几年更大规模移动健康项目的出现。
- 中国在数字健康领域潜力巨大,通过开发完善的数字健康系统,整合医疗卫生人员及电子健康档案和床旁诊断等先进技术,可大大提高各级政府对社区卫生服务的监管效率,提高社区卫生服务质量。与面向患者的自我管理应用相结合,可克服医疗卫生服务中存在已久的许多障碍。CCmHI定会在中国不断发展的移动健康事业中扮演重要角色。

联系方式:

如欲了解移动健康创新中心(CCmHI)及其代理主任张普洪副教授或乔治全球健康研究院的更多信息
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