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# HealthCap: The Only Health Management Platform in Hong Kong Capturing Health Data With a Snapshot of Mobile Devices

#MobileApp

#Healthcare



## PROJECT QUICK FACTS

### Principal Investigator

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THE JOCKEY CLUB SCHOOL OF PUBLIC HEALTH AND  
PRIMARY CARE

HealthCap is a mobile App that serves as a chronic disease management platform, providing a convenient way to log and manage blood pressure data. Users can record their health data with a simple snapshot using the cameras on their mobile devices. Equipped with state-of-the-art image recognition techniques, utilizing advanced optical character recognition (OCR) technology as well as deep learning, HealthCap can instantly recognize and record blood pressure data taken on a blood pressure monitor. Applying the big data analytic engine developed by the research team of the Chinese University of Hong Kong, HealthCap is able to analyze blood pressure records and provide comprehensive and insightful health reports to its users.

## Function

- Capture and convert blood pressure data into digital format with a snapshot using mobile phones (or mobile devices)
- Analyze blood pressure data, report blood pressure risk alerts and provide health summaries and reports
- A "one-to-many" application platform to support blood pressure record management across multiple users, with one single account

## Product Features

- Compatible with most blood pressure monitors available in the market, even non-Bluetooth enabled ones
- Useful health reports endorsed by professors in the Faculty of Medicine from the Chinese University of Hong Kong for providing insightful health data for medical practitioners.
- One versatile application meeting the needs of individuals, families, clinics and institutions
- Extended supports to both blood pressure and blood glucose management with the HealthCap Premium version

Website: <https://www.healthcapture.com.hk/>





上壓 107 mmHg

下壓 57 mmHg

心率 86 bpm

One click to record your blood pressure readings

The interface is divided into two main sections. The left section, titled 'Health Cap 拍健', has tabs for '記錄' (Records) and '報告' (Reports). Under '報告', there are two pie charts: '上壓分布' (Systolic Pressure Distribution) and '下壓分布' (Diastolic Pressure Distribution). Both charts show a 33% distribution for three categories: < 120 mmHg (green), 120 - 140 mmHg (yellow), and > 140 mmHg (red). The right section, also titled 'Health Cap 拍健', has tabs for '最近7天' (Last 7 days) and '最近30天' (Last 30 days). It displays user profiles for '陳大文' (Mr. Chen) and '李小姐' (Ms. Li). For Mr. Chen, the systolic pressure is 99 mmHg, diastolic is 52 mmHg, and heart rate is 80 bpm. For Ms. Li, the systolic pressure is 110 mmHg, diastolic is 60 mmHg, and heart rate is 84 bpm. Each profile includes a '活躍度' (Activity) slider.

One click to record your blood pressure readings

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