

國科會100年度工業工程與管理學門

專題研究計畫成果發表會

Industrial Engineering and Management Program

National Science Council

# Personal Health Cloud (PHC) 客製化遠距居家健康照

## 護雲端服務資訊系統平台之建置研發

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## 遠距居家照護系統的創新思維

- ✓ 居家環境是每個人最熟悉的空間，也是停留時間最長的場所，遠距居家照護系統可協助照顧家中的高齡者，讓高齡者能夠有尊嚴地在自己家中居住、生活，已經是高齡化社會中健康管理與照護上重要的潮流。
- ✓ 國內在遠距居家照護方面有非常多的研究計畫及營運模式在進行，儘管相關的生理訊號量測裝置及通訊技術已經相當成熟，然而似乎還無法被一般使用者廣泛接受。

### Independent living and social participation

➔ From home telehealth to “communication and care”

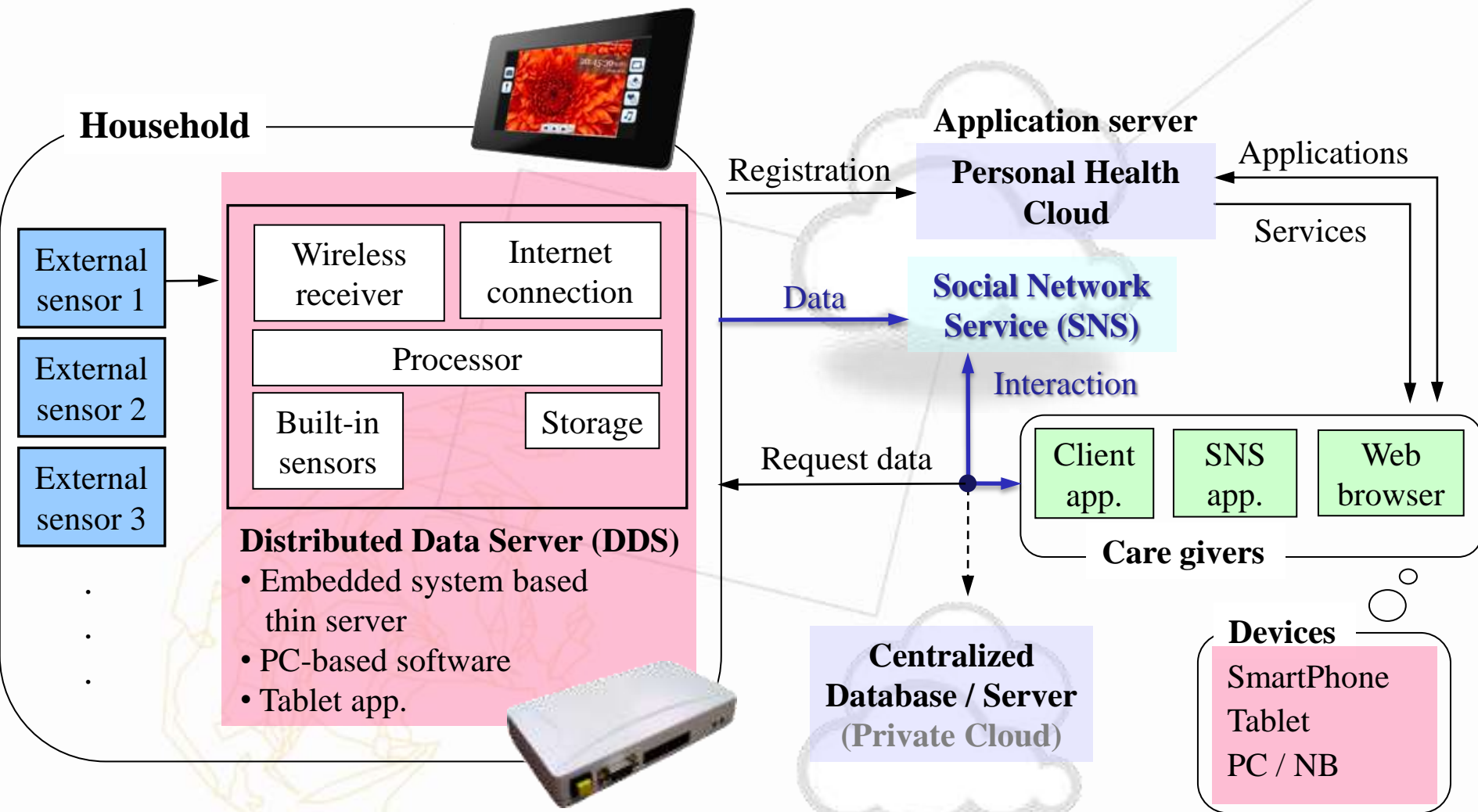
#### Mobile Devices



#### Cloud Services



# Connect older adults with children, family members, care givers...



# Care Delivery Frame (older adults) / Comm & Care (care givers)

- ✓ Android apps on the tablet and smartphone
- ➔ The smallest possible home telehealth system



血壓血糖數值單鍵上傳

The image shows a smartphone app interface for 'Comm. & Care'. At the top, there is a yellow header with the app name. Below it, a user profile is shown for '莊雅婷' (Zhuang Yating), 54 years old, with a '登出' (Logout) button. A red box with the text '手機瀏覽量測數值' (Mobile browsing measurement values) and a red arrow points to the app interface. Below the profile, there are four large buttons: '瀏覽血糖資料' (Browse blood sugar data), '事件提醒' (Event reminder), '下載歷史資料' (Download historical data), and '血壓量測紀錄' (Blood pressure measurement record). The '血壓量測紀錄' button is highlighted with a red box. Below this, there is a graph showing '血壓 (BP) 折線圖' (Blood pressure line graph) for the period '2012/09 - 2012/10'. The graph displays three lines representing different blood pressure measurements. At the bottom, there are buttons for '推展圖形設定' (Expand graph settings), '圖形設定' (Graph settings), and '清單' (List).

# Care Delivery Frame can also be your “friend” on



FB貼心留言與相片分享至CDF



謝孟草：草坪上的無限延伸，天氣好的時後看起來真得很美~

自動上傳血壓  
血糖數值至FB



# 機構雲端應用情境 (睡眠監測墊WhizPad應用為例)

