



臺北醫學大學  
TAIPEI MEDICAL UNIVERSITY

# Use of IoT Wearable devices for Smart Healthcare

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# Different Types of Wearable Devices



# International Center for Health Information Technology – (ICHIT)



Horizon 2020  
European Union Funding  
for Research & Innovation



## Our Current International Projects



SmokeFreeBrain



CATCH: Cancer - Activating Technology  
for Connected Health



CrowdHEALTH



# TMU in CATCH Project



**Cancer - Activating Technology for Connected Health**

Physical activity and sleep  
behavior assessment

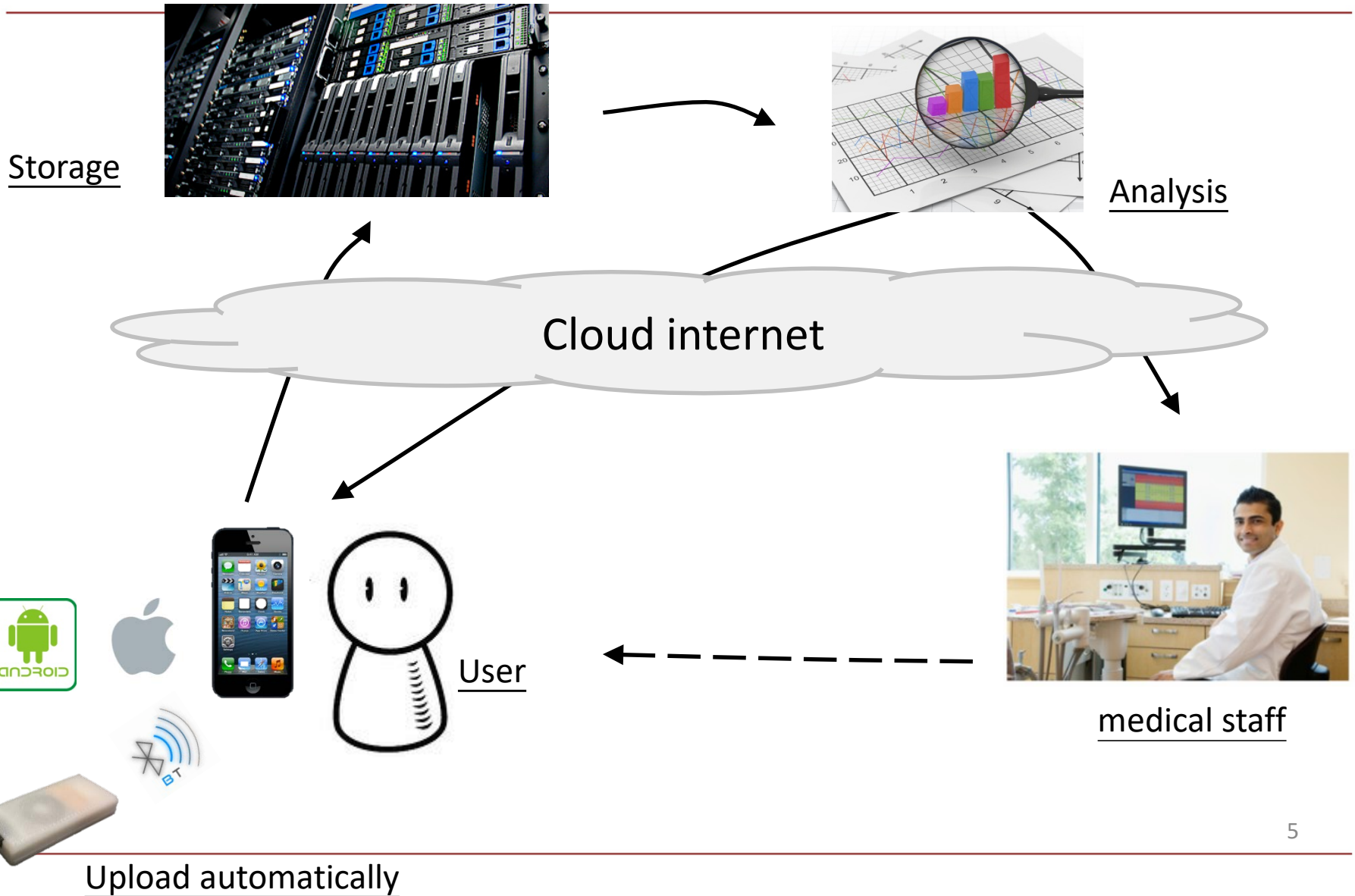
Subjective Sleep Quality and  
Quality of Life (QOL)  
assessment

Using wearable Actigraphy  
device.

Using questionnaire.



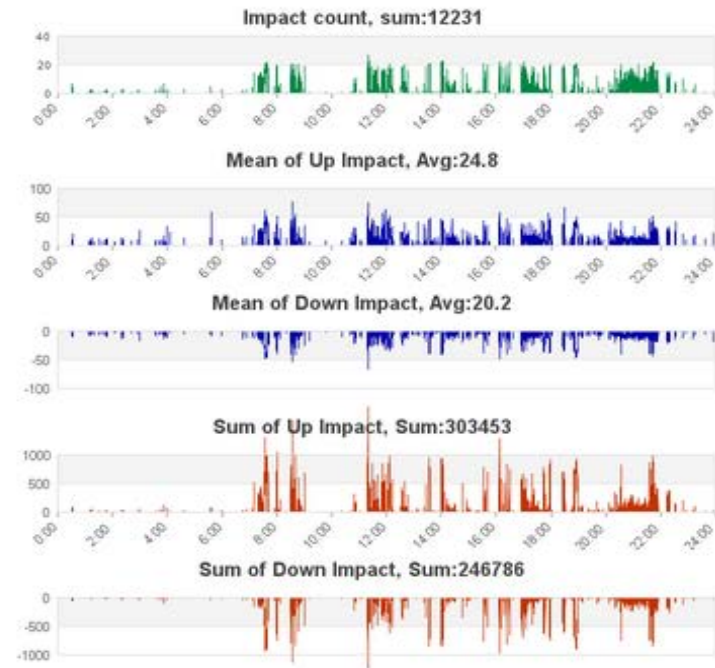
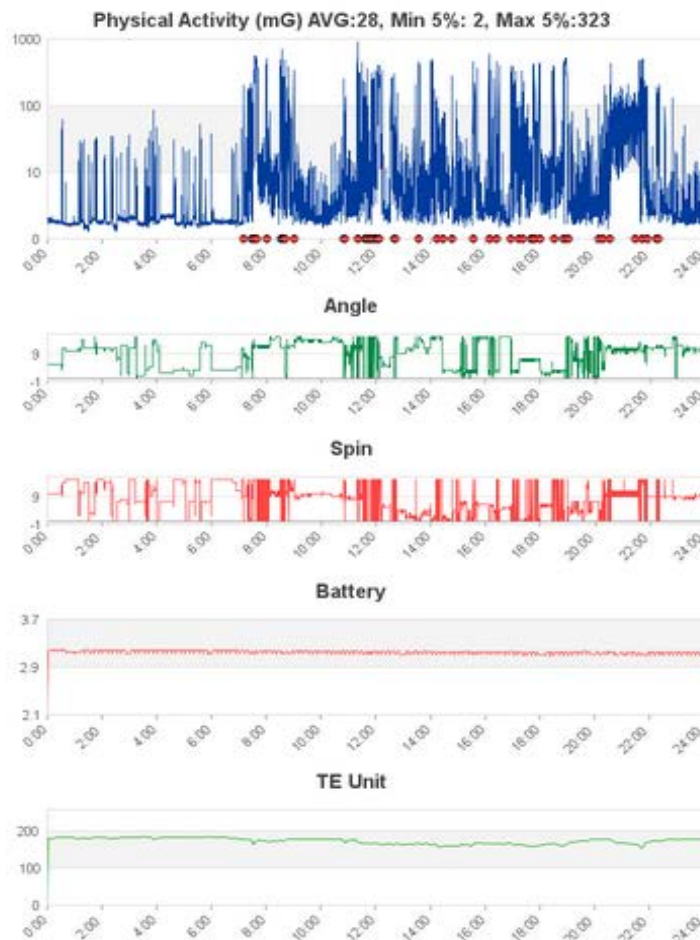
# BLE ACT service model



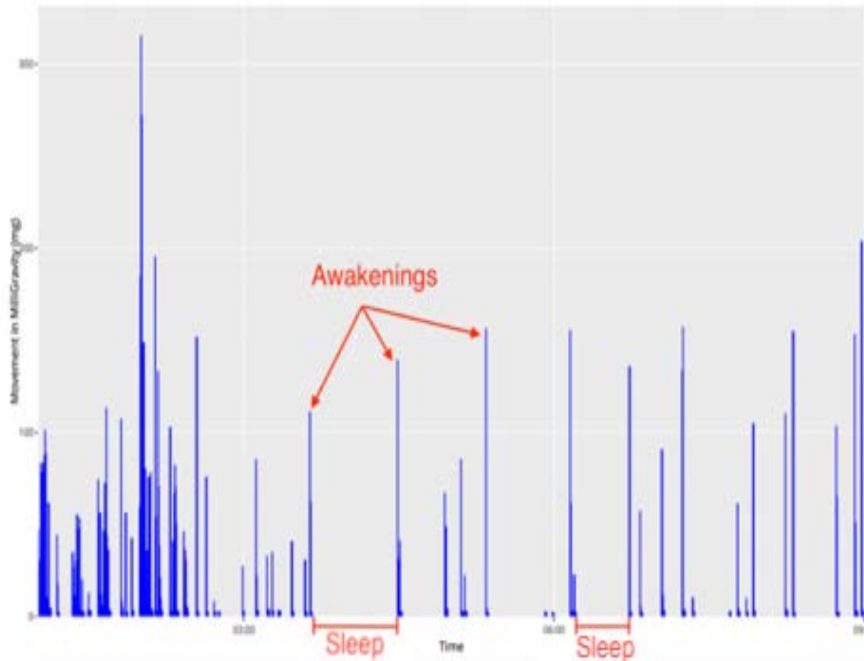
# BLE ACT website: Physical Activity



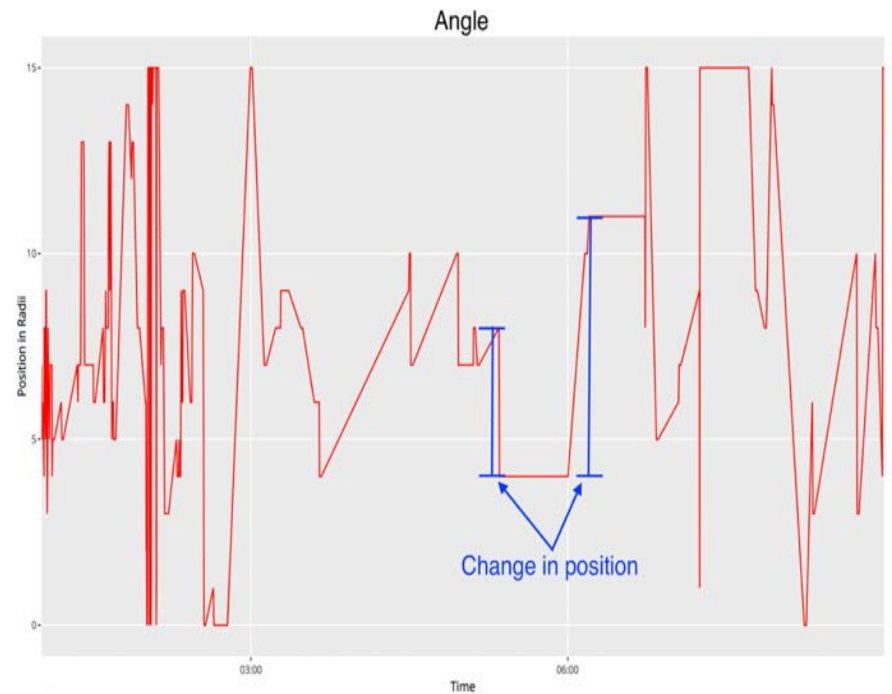
[Download ACT Data](#)



# Sleep Observation

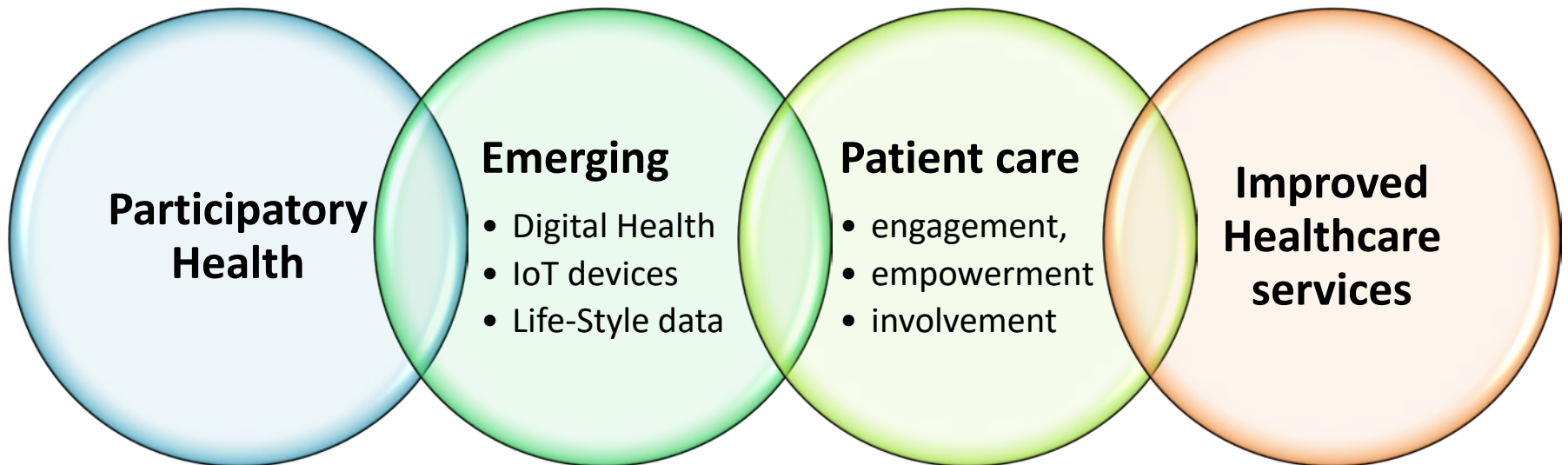


*Movement data during sleep*



*Angle indicating position changes while asleep*

# Conclusion





# THANK YOU



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*Boje*