Managing Chronic Disease and Wellness Using Telehealth Technologies

Integrating various telehealth technologies to better support those suffering from chronic disease, provide continuity of care from the hospital to the home and promote preventive health and wellness strategies.

Competitive advantage

- Access to patient clinics and study groups
- Active presence in the Randwick Health Zone, including close involvement in the design of a Virtual Care Centre planned for the new Prince of Wales Hospital (POWH)
- Engagement of clinicians and stakeholders to promote user-centric systems design
- Decades of experience in medical device regulatory approvals (TGA/FDA/CE) and development of health-authority-compliant software architectures

Impact

- Reduce hospital readmissions and patient mortality by 40%
- Reduce complications caused by non-adherence to prescribed medications

Successful outcomes

- Systems piloted in clinical trials at POWH in the cardiac rehabilitation setting
- Expanded to a clinical trial throughout NSW hospitals for reducing hospital readmissions in the case of cardiovascular disease

Capabilities and facilities

- Algorithms for health risk stratification
- Software lifecycle development processes
- Network laboratory of dedicated software developers currently engaged in a dozen health projects using common tools and architectures

Our partners

- Neuroscience Research Australia (NeuRA)
- Numerous hospitals throughout Austral

More Information

Scientia Professor Nigel Lovell

Graduate School of Biomedical Engineering

T: +61 2 9385 3922
E: n.lovell@unsw.edu.au

UNSW Knowledge Exchange

knowledge.exchange@unsw.edu.au

www.capabilities.unsw.edu.au

+61 (2) 9385 5008