



**UNSW**  
SYDNEY



## 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

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