Title	**Development of a digital health platform and care management support program for improving secondary prevention for patients after stroke or transient ischaemic attack**
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AuSCR role	Recruitment and data provision
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Status	In progress
Summary	People who have experienced a stroke are at increased risk of a secondary stroke and adverse mental health outcomes. Precision and electronic health strategies have been utilized in the management of patients with acute and chronic conditions but there is limited evidence for their use in secondary prevention after stroke. Aims: Working with collaborators from CSIRO we will harness our past successes to establish whether a comprehensive secondary prevention and care management support program for people with stroke or transient ischaemic attack (TIA) delivered via a mobile health platform is feasible, acceptable, and effectively used by consumers and clinicians. Methods: Using co-design, this project will explore with end-users (people after stroke/TIA, clinicians, carers and consumers): unmet needs before exposure to an mHealth platform for secondary prevention of stroke; attitudes, preferences and experiences towards the use of wearable devices and health data monitoring; attitudes and experiences in developing person centred goals and monitoring progress towards their achievement; familiarity with setting health and recovery goals and monitoring progress towards their achievement; attitudes, preferences and openness towards electronic health messages and support; and determine end-user requirements for developing a comprehensive digital health platform and nurse-led care management program. People who have experienced a stroke or TIA in the previous 3-12 months (n=30) and clinicians (n=50) involved in the delivery of acute and primary healthcare will be invited to participate in surveys and focus groups. Utilising the data collected from surveys and focus groups, the research team will develop and integrate the care delivery components in the new mHealth framework to enable a standardised routine protocol to tailor a care management and support program to address the secondary prevention, physical and psychological needs of people after stroke or TIA. In a preliminary feasibility study, we will test the acceptability and compliance in use of the new mHealth platform and care management program over 90 days. We will recruit 40 people, 3 to 12months after stroke or TIA and located 30km from our research hubs in Victoria or Queensland. Once the data from the feasibility study has been collated, additional focus groups and surveys will be conducted with participants to explore their satisfaction and engagement with the mHealth platform, wearable devices and electronic health messages received. Focus groups and surveys will also be conducted with clinicians to discuss the clinical utility of data captured during the trial in provision of care. It is anticipated that these two phases will provide sufficient evidence for the research team to be in a strong competitive position to seek funding to test the digital health platform and care management support program in a clinical trial.