

## AuSCR Research Task Group approved projects

<b>Title</b>	Hospital care costs and long-term outcomes
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<b>AuSCR role</b>	Data provision
<b>Approved</b>	17 May 2024
<b>Status</b>	In progress
<b>Summary</b>	Stroke is a major cause of death and disability in Australia. Costs associated with stroke are considerable, including direct medical costs such as hospital admissions and broader societal costs such as lost productivity and informal care. Costs of stroke in Australia will be estimated using contemporary data in a new report commissioned by the Stroke Foundation and in projects estimating costs and benefits of stroke prevention interventions undertaken in 2024 by Monash University investigators.

Since 2009, the Australian Stroke Clinical Registry (AuSCR) has collected information on hospital admissions related to stroke and transient ischaemic attack, including treatments provided in hospital, as well as self-reported health outcomes (e.g. the modified Rankin Scale score). Over 100,000 patient episodes have been collected making the AuSCR a rich source of contemporary and standardised Australian data to inform estimates required for modelling costs related to stroke care, and undertaking health economic evaluations.

The overarching aim of the study is to contribute summary data on health service utilisation that will be used for economic models that estimate the lifetime costs of stroke and the costs and benefits of treatment and prevention of stroke.

Research Questions:

1. What are the proportions of participants (by age and stroke type) who arrive to hospital by ambulance?
  2. What are the proportions of participants (by age and stroke type) who receive different treatments in hospital?
  3. What are the proportions of participants (by age, stroke type and treatment) who are discharged to inpatient rehabilitation and aged care services?
  4. What are the distributions of modified Rankin Scale scores at 3 months post stroke (by age, stroke type and treatment)?
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