

# SOLVE CHD

## NHMRC Synergy Grant (2020-2025)

### SOLVE-CHD RESEARCH TOPICS – ROUND 1 (Q1 2021)

SOLVE-CHD Synergy Funds will be used to support a variety of project and capacity building opportunities. In the first round the purpose is to address specific topics/questions.

*Note: The aim is to optimise delivery of post-discharge care so as to prevent further cardiovascular events among those with coronary heart disease (CHD). For that reason, the term sustained prevention is used in this document to encompass all aspects of cardiac rehabilitation and secondary prevention although some topics have a specific focus.*

#### EMCR Topics (up to \$20K for each project)

- Scoping review of current jurisdictional cardiac rehabilitation data collection systems and opportunities for SOLVE CHD to support and scale-up into a local clinical quality registry
- Economic modelling of different models of secondary prevention and cardiac rehabilitation if scaled to entire eligible population in Australia
- Audit (survey) of record-keeping practices among Australian CR services
- Detailing cardiac rehabilitation secondary prevention national data capture requirements
- Review of minimum data for common PROMS and PREMS
- Scoping of efficient ways to collect PROMS and PREMS on jurisdictional and national scale
- What data do clinicians and health service managers identify as important to measure the effectiveness of their health service? Is there a validated survey that can measure this?
- Evaluation of efficient strategies to address the initial discharge period, so called transitional care
- What are the existing clinical quality Registries doing and what we could learn from them?
- Scoping review of current CR/SP data collection in Australia (particularly in regional Australia) how to make them sustainable?

#### Pilot Project Topics (up to \$50K for each project)

- Evaluation of innovative interventions to access and engage with hard-to-reach groups
- Reframing sustained management of CHD to ensure optimum reach and access across geographical and culturally diverse communities
- The addition of digital health to current cardiac rehabilitation to improve care and data collection

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### **Postdoctoral Fellowship Topics**

**(Note: Fellowship will only to be offered to three participating institutions)**

- Creating data infrastructure to support efficient reporting on health service effectiveness in the area of sustained prevention of CHD
- Evaluation of data-driven quality improvement in cardiac rehabilitation
- Comparison of cost effectiveness across varying models of cardiac rehabilitation and secondary prevention
- Sustainability and lifelong management – opportunities for improvement

### **PhD Topics**

**(Note: PhD will only be offer to three participating institutions, with primary supervisor to be one of the CIs in the University of Sydney, University of Western Australian and Deakin University)**

- Practice change amongst cardiac rehabilitation providers – barriers, enablers and learnings aiming to support patient level electronic record collection
- Potential and evaluation of data-driven quality improvement in sustained management of CHD and cardiac rehabilitation
- Evaluation of service and patient level data to improve reach and equity in sustained managed of CHD
- Virtual reality advice from future self in secondary prevention
- Expanding peer support in secondary prevention