



Australian e-Health
Research Centre

Unlock the future with our AI-enabled assistive technology, designed to empower people with disabilities

Developing a principles-based framework to guide stakeholders of the National Disability Insurance Scheme (NDIS) through the development of safe and effective AI-enabled assistive technology (AT)

The challenge

Artificial intelligence (AI) is increasingly transforming the role of technology-based solutions in the lives of people with disability. AI, particularly where it is embedded into AT has the potential to promote better functioning and greater independence. While AI can offer improved access and quality outcomes, not all AI is right for everyone and there is often limited guidance on its use.

Our response

In collaboration with NDIA, we developed a principle-based evaluation framework (The Framework) to guide AI-enabled AT market development and support better matching of technologies to a person's individual needs.

The Framework draws on current frameworks, guidelines and academic research and multiple rounds of stakeholder consultation with people with disability, their carers, representatives from industry, peak bodies, service providers and government departments.

The framework

The Framework supports a person-centric approach for assessing AI-enabled-AT, with a consideration of the context (e.g. environment, social and cultural factors) in which AI-enabled-AT is to be used. It also acknowledges the unique capabilities, preferences, and goals of end-users.

