ReDAdvise Capability Statement

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About

ReDAdvise is an independent digital health consultancy based in Melbourne, Australia. We support health organisations, research institutes, and technology teams to design, build, evaluate, and scale safe and human-centred digital health solutions. Our expertise includes digital product co-design and development, agentic AI, Software as a Medical Device (SaMD) readiness, data integration, applied AI, and research translation. We combine evidence, design, and regulatory alignment to accelerate innovation that improves digital care, chronic disease management, and operational efficiency across the health ecosystem.

Core sectors we support: Health services, Universities, MedTech & Digital Health Startups, Research Networks, and Government-funded Programs.

Mission

To advance safe, effective, and human-centred digital health innovation by integrating evidence, design, technology, and regulatory best practice. ReDAdvise empowers organisations and companies to build meaningful digital solutions that improve care experiences, strengthen health systems, and enable better outcomes for all.

Vision

To become a leading catalyst for digital transformation in healthcare; where intelligent, connected, and trustworthy technologies seamlessly support clinicians, enhance patient self-management, and drive equitable access to high-quality care across Australia and beyond.

Core Service Areas

Evaluation & Implementation Research

- Evaluation frameworks for apps, platforms, devices, and digital programs
- Feasibility, usability, and acceptability studies
- Adaptive intervention design (RCTs, MRTs, hybrid trials)
- Ethics and governance documentation support

Co-Design & Human-Centred Product Development

- Stakeholder workshops, journey mapping, participatory design
- Low- and high-fidelity prototyping
- Usability testing and iterative design cycles

Agentic AI Design, Deployment & Governance

- Design of agentic AI systems for clinical workflows
- Use-case definition, task decomposition, and agent-workflow orchestration
- Human-in-the-loop oversight, safety controls, and escalation pathways
- Deployment support, monitoring, and iterative performance evaluation
- Ethical, governance, and risk documentation for agentic AI systems

Digital Health Build Support & Technical Enablement

- User onboarding, training, and technical support workflows
- Patient-facing materials, guides, and device setup
- System configuration for mobile, wearable, and sensor platforms

Software as a Medical Device (SaMD) Guidance & Regulatory Readiness

- SaMD classification analysis and regulatory strategy
- Clinical Evaluation Reports, risk management documentation
- Lifecycle alignment with ISO 13485, ISO 14971, IEC 62304, IEC 62366
- Safety, quality, and post-market readiness frameworks

Applied AI, Machine Learning & Computer Vision

- Activity recognition, biosignal interpretation, movement detection
- Data pipelines for wearable/ECG/BP/accelerometry inputs
- Model validation and reporting for research and prototyping

*ECG, electrocardigraphy; BP, blood pressure

Data Analytics, Integration & Interoperability

- Dataset engineering, statistical analysis, automated reports
- Integration using HL7® FHIR®, secure APIs, EMR-adjacent workflows
- Visual dashboards for research, clinical, or operational insights

Research Translation & Knowledge Mobilisation

- Grant development, scientific writing, dissemination
- Evidence synthesis (systematic reviews, meta-analyses)
- Translation of academic outputs into actionable recommendations

Key Differentiators

- **End-to-end digital health capability**: from research design to prototype testing, regulatory planning, and implementation.
- **Deep expertise in behaviour change, chronic disease, and mobile interventions**, including adaptive and control-systems-based models.
- **Strong integration capability** across wearables, sensors, clinical workflows, and data systems using global standards (HL7 FHIR, SNOMED CT).
- **Evidence-driven and regulatory-aligned approach**, embedding safety, quality, and usability from the outset.

- **Experience working with multidisciplinary teams** across hospitals, universities, and industry partnerships.
- **Commitment to privacy, security, and ethical technology development**, adopting privacy-by-design and secure-by-design principles.

Quality & Compliance Standards

ReDAdvise operates in alignment with:

- **Australian Privacy Principles (APPs)** and the **OAIC Notifiable Data Breach Scheme**
- **Therapeutic Goods Administration (TGA)** frameworks for Software as a Medical Device (SaMD)
- **ISO 13485:2016** (medical device quality systems)
- **ISO 14971:2019** (risk management)
- **IEC 62304** (software lifecycle processes)
- **IEC 62366-1** (usability engineering)
- **ADHA secure messaging and interoperability standards**, including HL7® FHIR®

Note: ReDAdvise aligns to these frameworks; certification can be supported through guidance.

Past Performance / Example Projects

- **Digital behaviour change intervention (mobile app)**
  Designed and evaluated a sedentary-behaviour and physical-activity program using adaptive algorithms and real-time sensing.
- **Cardiovascular self-management and monitoring platform**
  Co-design, user testing, and feature prototyping for a connected-care ecosystem integrating vitals, wearables, and symptom reporting.
- **Wearable-based clinical and research trials**
  Data integration, analytics, and validation across accelerometry, ECG, BP, and smart-device streams.
- **AI/computer-vision-enhanced research support**
  Activity recognition, automated data extraction, and movement classification for digital health studies.

Contact

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ReDAdvise acknowledges all Aboriginal and Torres Strait Islander Traditional Custodians of Country and recognises their continuing connection to land, waters, culture, and community. We pay our respects to Elders past and present.