



Aged care and dementia

Innovative solutions are vital for effective and affordable healthcare to support a globally ageing population.

Queensland Health

Your global healthcare partner



**Queensland
Government**
Australia

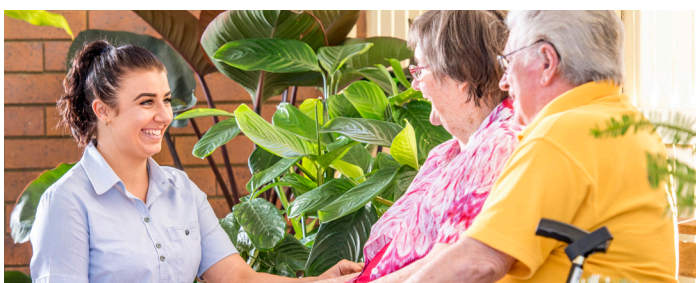
Aged care

Queensland has a high standard of aged and community care, highly skilled health professionals and integrated facilities.

An ageing population is driving demand for aged care and seniors living services. Many older people are choosing to stay living at home, connected to family and community. This requires new types of support services and assistive technologies for independent living.

Queensland's capabilities include training, infrastructure design and planning, aged care and community care services and products. Queensland has a strong medical device and information technology sector, with researchers and companies bringing assistive technologies to support seniors living and aged care.

The sector includes private aged care operators, not-for-profit community organisations, education providers and researchers developing and supplying assistive technologies. Queensland has a number of export-ready providers across the aged care sector.



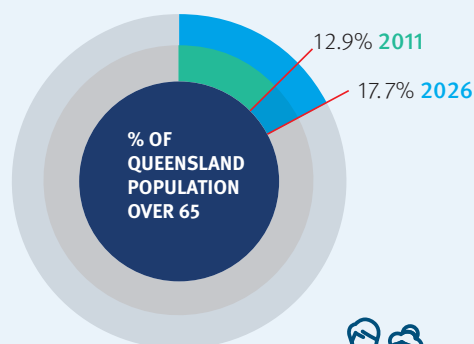
The Australian aged care system is regulated by the Australian Government's Ageing and Aged Care Group within the Department of Health. After applying for assistance, the applicant undergoes an assessment before being offered a suitable level of service.



The Australian aged care system is renowned for:

- excellence in standard of care models and innovation
- a strong research sector leading to evidence-based healthcare
- national frameworks for accreditation, quality and regulation
- a robust complaints-handling process through the Australian Government's independent statutory office, the Aged Care Complaints Commissioner
- strong government funding.

QUEENSLAND'S AGEING POPULATION



2011: 579,758
2026: 1,014,266



Queensland Government population projections, 2015 edition; Australian Bureau of Statistics, Australian demographic statistics, Mar 2015 (Cat no. 3101.0).

Home care packages

Residential respite,
transitional care,
flexible care

Residential care



Dementia

Dementia is the second leading cause of death for all Australians¹ and recently became the leading cause of death for Australian women. There is no cure for dementia and the number continues to rise, with 425,000 Australians estimated to be living with dementia in 2018. Dementia Australia, the national peak body, predicts the number of people with dementia will reach more than 1.1 million by 2056².

Queensland has a number of research institutes working on dementia and several education providers delivering specialised dementia training.

2nd largest cause of death

Dementia is Australia's second leading cause of death

425,000
by 2018

Estimated number of people with dementia

1. Australian Bureau of Statistics (ABS)
2. National centre for social and economic modelling (Natsem) economic cost of dementia in Australia 2016–2056 (www.Natsem.Canberra.Edu.Au) and Dementia australia (www.Dementia.Org.Au)





Assistive technologies and platforms for independent living

CSIRO Australian e-Health Research Centre—Smarter Safer Homes

<https://research.csiro.au/dss/ehealth>

Smarter Safer Homes is a research and development platform developed by the CSIRO Australian e-Health Research Centre in Brisbane using wireless sensor technology and home monitoring devices tailored for the user's needs.

Tunstall Healthcare

<http://www.tunstallhealthcare.com.au>

Tunstall is a world-leading provider of digital health care. With more than 60 years of global experience, operating in more than 50 countries, Tunstall offers clients the freedom to live independently at home and reduce hospital admissions. Tunstall offers an end-to-end solution, encompassing design, technology, consultancy, service support, project management, training, and triage and monitoring services. Tunstall supports people by providing a variety of assistive technologies which can be customised and adapted to meet the individual care needs of clients, enabling them to live safely and independently in their own home.

Tunstall's secured Integrated Care Software Platform (ICP) supports people with long-term, chronic conditions to monitor their own vital signs from any location via their own smart phone, tablet or one of Tunstall's Connected Health Hubs, with the reassurance that, should readings go beyond set limits, their care team will be informed immediately.

Tunstall Australasia, based in Brisbane with a secondary office in New Zealand, provides services to public and private health organisations, government agencies, retirement villages and community care services.

Vita Enterprise Solutions

<https://vitaenterprisesolutions.com.au>

Vita Enterprise Solutions, an Information and Communications Technology (ICT) company with headquarters in Brisbane, partners with telecommunication developers to offer healthcare ICT products for older people, aged and community care providers. Innovative products include:

- a home-monitoring system which ensures peace of mind by knowing aged loved ones are safe as they maintain their independence, living in their own home
- a personalised, tablet-based platform designed to remove the complexities of touch-screen tablet technology for older people
- a customisable system that gives care-providers greater precision in remotely managing the health of clients, while giving clients greater control over their own wellbeing.

Queensland's aged care and dementia capabilities

Dementia Australia

www.dementia.org.au/

Dementia Australia is the national peak body and charity for people, of all ages, living with all forms of dementia, their families and carers. It provides advocacy, support services, education and information.

Dementia Australia also provides experiential learning for allied health and aged care professionals through the use of cutting-edge virtual reality technology.

In Queensland, Dementia Australia offers support services for the entire state through their offices in Brisbane, Gold Coast, Cairns, Toowoomba, Rockhampton, Townsville and Maryborough.

Clem Jones Centre for Ageing Dementia Research, Queensland Brain Institute (The University of Queensland)

<https://qbi.uq.edu.au/CJCADR>

The Clem Jones Centre for Ageing Dementia Research (CJCADR), housed within the Queensland Brain Institute at The University of Queensland, is Australia's first and largest research centre dedicated to the prevention and treatment of dementia.

Geriatric Anxiety Inventory, UniQuest (The University of Queensland)

<http://gai.net.au/>

The Geriatric Anxiety Inventory is a simple screening tool specifically designed for assessing anxiety in older people. Created at The University of Queensland, it has been translated into 26 languages and is currently being used across Europe, North and South America, Asia, and Australia-New Zealand in clinical and research trials.

Dementia Centre for Research Collaboration, Queensland University of Technology (QUT)

www.dementiaresearch.org.au/

The Dementia Centre for Research Collaboration at QUT, the Australian National University and the University of New South Wales, was established in 2006. Through evidence-based research, the Centre has developed resources for people who live with dementia, their carers and professionals who work with dementia patients.

Genomics Clinical Trials Centre, QUT

<https://research.qut.edu.au/grc/clinical-trials-service/>

The Genomics Clinical Trials Centre at QUT undertakes phase II to phase III clinical trials. The centre is undertaking four sponsored Alzheimer's disease phase II/III clinical trials and a phase III migraine trial. Located on the Gold Coast, the centre is a fully equipped clinical site with medical consulting rooms.

The Prince Charles Hospital—Internal Medicine and Dementia Research Unit (Queensland Health)

The Internal Medicine and Dementia Research Unit, based at The Prince Charles Hospital was established in 1998 to provide patients with an opportunity to participate in clinical trials. The unit is multidisciplinary and specialises in dementia and Alzheimer's disease and provides clinical trials, education and research.

Princess Alexandra Hospital— Geriatric and Rehabilitation Unit (Queensland Health)

The Princess Alexandra Hospital has a dedicated Geriatric and Rehabilitation Unit which incorporates:

- three inpatient wards
- a geriatric day hospital
- a consultation liaison service for patients within the hospital
- a stroke unit
- specialist clinics in geriatrics, cognition (memory) and continence.

Optimising Health Outcomes Program, Menzies Health Institute Queensland Griffith University

[www2.griffith.edu.au/
menzies-health-institute-queensland](http://www2.griffith.edu.au/menzies-health-institute-queensland)

Griffith University's Menzies Health Institute Queensland runs a laboratory where trials and pilot studies are conducted on older people with dementia. The trials look at the impacts of using non-pharmacological treatments to improve quality of life and behavioural symptoms in patients with dementia. The institute has conducted one of the world's largest studies on how people with dementia interact with companion robots, involving 415 people across 28 care facilities in Queensland. Research showed that companion robots had a positive benefit for people with dementia by reducing anxiety and promoting social engagement. The program also looks at the use of tele-presence robots that allow the user to check-in with a person and remotely manoeuvre the robot around the home.



Aged care facilities—design and planning

Queensland has world-leading architecture, design, planning and project management capabilities to help with new aged care facilities and redevelopment of existing facilities.

ThomsonAdsett

<https://thomsonadsett.com/>

ThomsonAdsett is a leading international architecture and design firm which specialises in seniors living, and has been working with the aged care industry for more than 30 years, achieving the number one ranking in this discipline in 2017 by World Architecture News. ThomsonAdsett works across a range of sectors including seniors living, aged care, retail, healthcare, commercial, education, and resorts and leisure. The company originated in Brisbane and now has offices throughout Australia, as well as in China, Hong Kong and Jakarta, working extensively throughout Asia. ThomsonAdsett has strategic partnership arrangements in Japan, Singapore, Malaysia and the South Pacific, and has completed more than 4,000 seniors living commissions. The firm is a world-recognised expert in design solutions for dementia.

Cistri

<https://cistri.com/>

Cistri is a leading international property advisory group with offices in Australia, Hong Kong and Singapore. For more than 30 years, Cistri has helped change the shape and improve the experience of health, retirement living and aged care, driven by their expertise in master planning, healthcare and public policy analysis, evaluation of services, and the design and planning of health and retirement living facilities. With significant international experience in Asia and the Middle East, experience working with governments, hospitals, health and aged-care providers and developers, and expertise across many fields, Cistri is able to navigate through complex environments to improve health care and introduce innovation into aged care and retirement living.

Conrad Gargett

www.conradgargett.com.au

Conrad Gargett is one of Australia's most experienced health architects, and is dedicated to progressing seniors living and aged care facilities through innovative design that places people first. For almost 60 years, they have been creating supportive senior living environments that feel like home. Their welcoming designs accommodate guests' physical and emotional needs by balancing private areas for respite and reflection, with opportunities for social interaction and community engagement. Conrad Gargett's comprehensive suite of services includes all phases of development, from feasibility studies, master planning and brief definition, through to design and delivery of facilities.

Partnering with both public and private institutions, they have delivered facilities ranging in scale and complexity for all areas of health, including community and residential aged care centres, medical research institutes, complex quaternary hospitals and integrated health districts. Conrad Gargett offers end-to-end design services in independent and assisted living, residential aged care, dementia care and retirement living. They have more than 150 team members, including Mandarin-speaking architects based in their Brisbane studio.



The Shuangqiao Seniors Living Community in Beijing (China), designed by ThomsonAdsett

Gleeds

<https://gb.gleeds.com/about-us/?regionOverride=3279>

Established in 1885, Gleeds is a leading global property and construction consultancy company, specialising in project management and quantity surveying. Gleeds has delivered award-winning projects around the world and were established in China and Hong Kong in 1995. They have 71 offices in 20 countries, including two offices in Queensland. Since 2007, Gleeds in Australia has delivered 12 health and aged care facilities.

Urbanise

<https://urbanise.com/>

Urbanise is a cloud-based software company which provides innovative service delivery solutions, using cloud technology and the Internet of Things (IoT), to increase building efficiency and reduce operational costs. Urbanise offers customers solutions which make everyday life easier for the urban citizen, as well as more convenient and more comfortable. Partnering with a number of global companies in the property and facility management, engineering, and real estate sectors, Urbanise has a track record of international success.



Aged care organisations and training providers

Bolton Clarke

www.boltonclarke.com.au

Bolton Clarke is one of the largest care providers in Australia. Developed through a merger between the Royal District Nursing Service (RDNS) and RSLCare, Bolton Clarke has 6,000 staff providing healthcare and support services to over 100,000 people through seniors living solutions, including telehealth programs, professional education and training programs, research and community home care services. The company also owns the Aged Care Channel which supports quality of care for older people through professional development training programs.

Bolton Clarke has key collaborations with Peking University and the Shenzhen Health Bureau, China.

Bolton Clarke offers both online and face-to-face education and training for management and administration staff, nurses and care workers. They offer 130 standard courses as well as accredited certificates and customised courses in aged care.

Charlton Brown

www.charltonbrown.com.au

Charlton Brown is a provider of training and education in the child care, aged care, disability and community services sector. They offer accredited courses for aged care such as caring for the elderly, working in an aged care facility, supervising, companion care and providing home care.

Feros Care

www.feroscare.com.au

Feros Care provides residential aged care, home care and community services. The company has 80 community care programs, three residential aged care facilities and provides telehealth services nationally. Feros Care services are designed to ensure people are independent, active and socially connected to their family, friends and community for as long as possible.

Jeta Group

<http://jeta-group.net>

The Jeta Group provides specialised aged care and retirement living services for Asian Australians. The Jeta Group established and currently operate a seniors living facility in Bethania, Queensland that has been built to incorporate the needs of older people of Asian heritage. The Jeta Group, through joint ventures, is operational in Hangzhou, China.

Mater Aged Care in an Emergency

www.materonline.org.au/services/mater-aged-care-in-an-emergency

Mater Aged Care in an Emergency is a service dedicated to supporting residents of aged care facilities, their families, facility carers and general practitioners, with the goal of providing a seamless care transition between primary and tertiary sectors. Services include clinical liaison and support, hospital care co-ordination, telehealth chronic disease management, advance care planning, education, and data collection and evaluation.

Prescare

www.prescare.org.au

Prescare offers residential, in-home care and independent living units, mobility supplies, food services and disability services. This includes products and services for aged, community and disability care, meal service, mobility, allied health, electronics and specialised IT services and support. Personalised services at Prescare facilities include nursing, lifestyle, therapy, catering, social activities, pastoral and spiritual care.

Prescare offers both standard and customised professional development training programs on mandatory topics for community and aged care staff. Cloud-based learning offers 24-hour access, flexibility and delivery at different locations and reduced costs.

Seasons Aged Care

<https://seasonsagedcare.com.au/>

Seasons Aged Care is a provider of an innovative aged-care model, the only one of its type in Australia, which combines independence and the privacy of home ownership with 24-hour dedicated care through state-of-the-art technology. They offer personalised care and support from low to high-care, and specialise in dementia care. Services also extend to end-of-life palliative care, meaning that residents do not need to move from their own home unit.

CQUniversity, School of Midwifery and Social Sciences

www.cqu.edu.au/about-us/structure/schools/nm

CQUniversity's health courses involve workplace-integrated learning or learning on the job. Students are required to complete unit undertakings in real-life workplaces, allowing them to put learning directly into practice.

Partner with us

Queensland Health, through the Health Innovation, Investment and Research Office, is looking for opportunities to collaborate with government agencies, entrepreneurs, industry and research institutions to expand our vibrant health sector to improve the wellbeing and healthcare of Queenslanders.

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