



THE UNIVERSITY  
OF QUEENSLAND  
AUSTRALIA

CREATE CHANGE

# Business School Future of Health Hub 2021 - 2022



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## SDG-related coverage in the Future of Health Hub



# Message From Co-Leads



Professor Andrew Burton-Jones

What a year 2022 has been! Following on from the disruption of COVID-19 in 2020 and 2021, we saw many challenges and opportunities for the future of health in Queensland.

For all our members and partners, it was busy, yet highly rewarding year with our commitment to supporting and sustaining equitable healthcare culminating in many successful grant applications, initiatives, impactful collaborations and publications.

As a Hub, we held another successful industry engagement event “Unleashing the future of health in Queensland” at Customs House. The event brought together a panel of four world-class researchers and experienced health care leaders to discuss pathways to accelerate and strengthen high quality care in Queensland. On the back of this event, we are drafting a white paper, which will highlight our capabilities to contribute to current priorities for the future of health in Queensland.

This year, we also established the Future of Health (FoH) Industry Advisory Board with key leaders across many areas of the health care sector. The purpose of the advisory board is to provide value to the FoH Hub by way of sharing knowledge in the current healthcare environment, providing key insights into future challenges and facilitating world-leading research with UQ Business School.

This year, we made a commitment to the development of the early career researchers within the Hub, by establishing our FoH early career network online. By creating this space for conversation, and fostering relationships between early career researchers across disciplines, we are looking forward to seeing how the platform can contribute to impactful research and collaboration.

Finally, we would like to thank all the members, cross-faculty and industry partners for their contributions to the FoH Research Hub this year, and look forward to many exciting ventures in 2023 and beyond.



Associate Professor Nicole Hartley

**Nicole Hartley and Andrew Burton-Jones (Co-leads)**

*The Business School acknowledges the Traditional Owners and their custodianship of the lands on which the School operates.*

*We pay our respects to their Ancestors and their descendants, who continue cultural and spiritual connections to Country. We recognise their valuable contributions to Australian and global society.*

# Overview

**In developed countries across the world, healthcare spending is rising steadily as ageing populations, an epidemic of chronic disease, advances in biomedical knowledge, increased digital healthcare innovations and higher public expectations place additional demands on services.**

In Australia, for example, health expenditure rose by an average of 5% a year in real terms over the last decade, outstripping GDP growth of 2.8%. In locations worldwide, healthcare delivery systems are now reaching breaking-point and there is an urgent need to develop new working practices innovative business and funding models.

The University of Queensland (UQ) Business School's experts bring new perspectives to this debate. With backgrounds in areas such as innovation, management, strategy, marketing, finance, accounting, information systems, economics and technology, they work alongside clinicians and healthcare leaders to help address the challenges in the Future of Health.

Through our work with private and public healthcare providers, patients and families, we are internationally recognised as thought leaders in the healthcare sector.

The Future of Health initiative draws together the School's expertise across different disciplines to help transform healthcare delivery for the benefit of patients and society at large.

UQ Business School's research expertise complements that of The University of Queensland, which is a global leader in improving the health of populations. Business School staff are involved in projects for UQ's Centre for the Business and Economics of Health, Centre for Research Excellence in Telehealth, Centre for Research in Telerehabilitation, the Centre for Online Health (based at PA Hospital Brisbane), the UQ Centre for Health Services Research, RECOVER Injury Research Centre, and the Digital Health CRC.

# Our mission

Support researchers to undertake future-focused, industry-relevant, high-impact research that can benefit stakeholders in the health sector.

# Our vision

Improving the quality and impact of research related to the future of healthcare

# Why Future of Health research?

Our research expertise focus on undertaking future-focused, industry-relevant, high-impact research that can benefit stakeholders in the health sector. The Future of Health (FoH) hub will showcase insights and encourage engagement with leading healthcare providers and policymakers at a local and global level.

Our research is internationally recognised in the following four areas of excellence:

- Managing for transformational healthcare change
- Transformative health and wellbeing innovations
- Patient centred care
- Accountable and flexible healthcare systems.

Our Capacity	Our Partners	Our Impact	Our Outcomes
 63 Active researchers	 24 Industry partners	 Enhanced access and equity healthcare	 Industry grants
 15 higher degree by researcher students	 7 International research institutions	 Informing healthcare policy	 Publications
 9 Industry board members	 4 Domestic research institutes	 Solving global and local healthcare problems	 Industry presentations
	 Cross faculty partnerships	 Supporting our healthcare workforce	

\*2022 figures

 For more information on FoH research Hub visit: [business.uq.edu.au/future-health](https://business.uq.edu.au/future-health)

# Expertise

## Hub Members

Co-Led by **Professor Andrew Burton-Jones** and **Associate Professor Nicole Hartley** the Future of Health (FoH) consists of **63 academic members from diverse research disciplines within the UQ Business School, across the University, and international institutions.**

Currently, 32 UQ academics are members of the Future of Health across diverse disciplines from business information systems to marketing to agriculture and food innovation.

## Building Research Strength

The Future of Health is committed to growing its research expertise through its support and mentoring of PhD and Postdoctoral student members:

- One of our postdoctoral research fellows, Dr Natalie Smith was awarded the Rama Krishna Sastry Pappu Memorial Prize in Business UQ 2022.
- 15 PhD students from disciplines across the School are members. While focusing on their studies, they participate in Hub events to broaden their research capacity, learn key skills and engage with a wide range of scholars in their field.

The Future of Health hub collaborates with leading institutes and researchers across UQ.

Members include:

- Associate Professor Haitham Tuffaha, Centre for the Business and Economics of Health
- Professor Damian Hine, Queensland Alliance for Agriculture and Food Innovation
- Professor Trevor Russell, Recover Injury Research Centre
- Professor Lisa Nissen, Centre for the Business of Economics and Health
- Dr Sue McAvoy, Centre for the Business and Economics of Health
- Dr Jean Spinks, Centre for the Business and Economics of Health
- Professor Peter Soyer, Frazer Institute, School of Medicine
- Professor Anthony Smith, Centre for Online Health
- Associate Professor Clair Sullivan, Centre for Health Services Research
- Professor Monika Janda, Faculty of Medicine
- Dr Lisette Pregelj, School of Chemistry and Molecular Biosciences
- Dr Megan Ross, Recover Injury Research Centre
- Dr Peter Worthy, School of Health and Rehabilitation Science.

Full details of [Future of Health](#) can be found on the Hub's website.

“Being a member of FoH is a great opportunity to engage with both scholars and industry to collectively support and strengthen our healthcare sector.”

## International Engagement


Research collaboration via engagement and affiliations with 8 international research institutions provides the Future of Health with expanded expertise and provides the ability to engage in research projects on a global scale.

Affiliations include:

- Cambridge Service Alliance - University of Cambridge, England
- Cornell Institute for Health Futures - Cornell University, USA
- CTF Service Research Centre - Karistad University, Sweden
- International Scientific Advisory Board - Norwegian School of Economics, Norway
- Center for Service - Arizona State University, USA
- School of Medicine, University of Limerick, Ireland
- School of Medicine and School of Business, Emory University, USA
- Department of Psychology, Zurich University, Switzerland.

## Hub activity

 1 Industry based event with 100+ guests

 Spans 6 disciplines within the Business School

# Industry Engagement



## FoH Industry Advisory Board

Critical to producing impactful research outcomes, is the collaboration and guidance of the Hub's Industry Advisory Board. There are nine inaugural Board members, comprised of prominent healthcare leaders and providers.

Each member provides unique value to the FoH by way of sharing knowledge in the current healthcare environment, providing key insights into future challenges and facilitating world-leading research with UQ Business School.

Members include:

- David Bunker (Chair), Managing Director & Industry Fellow, The Second Law Consulting
- Dr Julie White, Executive Director, Office of Precision Medicine and Research, Queensland Health
- Dr Robyn Littlewood, CEO, Health and Wellbeing Queensland
- Professor Malcolm Thatcher, Chief Technology Office & Adjunct Professor, Australian Digital Health Agency
- Tanya Kelly, Acting Chief Clinical Information Officer & Chair of the Qld Clinical Senate, eHealth Queensland
- Adrian Carson, CEO, Institute for Urban Indigenous Health (IUIH)
- Chris Dougherty, CEO, Epilepsy Queensland
- Cameron Bean, Commercialisation and Health Lead, Max Kelsen
- Jennifer Finch, Director, AHPOQ, Queensland Health.

## External Engagement Event

In 2022, the Future of Health hub held an impactful external engagement event with over 200 healthcare industry attendees. The 'Unleashing the future of health for Queensland' event brought together a panel of four world-class researchers and experienced health care leaders (pictured) to discuss pathways to accelerate and strengthen high-quality healthcare in Queensland. As a result of this event the FoH hub members are drafting a white paper, which will highlight their capabilities to contribute to current priorities for the future of health in Queensland.

The panel speakers elaborated on:

- Importance of collaboration - David Bunker, formerly Executive Director, Health Translation Queensland
- Learnings from COVID-19 - Dr Kellie Stockton, Director of Allied Health Services, Surgical Treatment and Rehabilitation Service, Queensland Health
- Moving from a reactive system to a proactive health system - Michael Draheim, Chief Clinical Information Officer, ORACLE Cerner
- Accountability mechanisms - Associate Professor Robyn King, UQ Business School.

## Industry Partners



# Research Impact

# Impacting the future

## Health Research Accelerator Initiatives

Through our partnerships with fellow healthcare researchers and our industry partners, the Future of Health (FoH) hub has been successful in three Health Research Accelerator (HERA) initiatives in 2022. Through the Vice-Chancellors' HERA initiative, The University of Queensland is investing in a new health and medical research model and new capabilities to address the most pressing health and medical research challenges of our time.

Transforming the health and wellbeing of societies requires a highly collaborative and interdisciplinary research approach. The FoH Research Hub was uniquely, and ideally positioned to contribute to three successful bids. Through this initiative, members of the FoH research hub, cross-faculty and industry partners, will contribute to recruitment of outstanding researchers who have the knowledge, skills and expertise to augment the health and medical research capabilities of UQ and its partners and delivery collaborative solutions that amplify the impact on human health.

## HERA2.0 Programs

### EvolveHealth Health Workforce Optimisation

- Aiming to redefine the future of work in the Australian healthcare sector for improved healthcare access, equity and outcomes. It will accelerate resilience, agility, and capability in the healthcare workforce by enhancing deployment models with a focus on auxiliary health roles as system connectors.
- Providing research to support the National Primary Health Strategy's objectives for sustainable public health workforce capacity. It also aligns with the objectives of Queensland's Advancing Health Service Through Workforce strategy, which supports a shift to person-centred healthcare systems that are responsive to consumer needs and sensitive to the role of emerging technologies and changing models of care.

## QDHeC Queensland Digital Health Centre

- This program will become the engine room of our digital healthcare future. By creating an enduring, world-class virtual facility with a self-sustaining group of high-quality researchers across clinical informatics, business, mathematics, ICT and data science, it will generate new research and innovation and speed up translation of new knowledge into improved digital healthcare.
- The vision is for a digitally enabled Learning Healthcare System that delivers on the Quadruple Aim of healthcare which includes improved clinician and patient experiences, lower costs and better outcomes.

## The 360-Kids Community Network

- This program seeks to address the issue of children living in circumstances of disadvantage being at greater risk of missing out on early prevention opportunities that could improve their health, social inclusion, school engagement and learning opportunities. The program will achieve this by equipping all children and young people with the foundations for optimal health and development trajectories that deliver the best opportunities in life. In doing so, the aim is also to reduce the need for costly health and welfare interventions.



Pictured: Robyn King presenting at FoH event



Pictured: David Bunker presenting at FoH event

## Grant Funded Research

**University of Queensland and Queensland Health Higher-Degree Research Alliance Industry Partnership Program** (for university-wide PhD Scholarships in Digital Health), 2022-2027, \$850,000 - Professor Andrew Burton-Jones.

**NHMRC Synergy Grant:** Roadmap Options for Melanoma Screening in Australia (Melanoma-ROSA), 2022-2026, \$5 million - Associate Professor Nicole Gillespie et al.

**UQ Business School Winter Research Grant:** Understanding consumer perceptions of financial information to enhance group decision making when accessing aged care services in times of crisis, 2022 \$8,559 - Associate Professor Robyn King.

**BEL Connect Grant:** First, Do No Harm: Investigating the Relationship between Pharmacist Workloads, Stress and Dispensing Errors using Wearable Technology, 2022, \$19,627 - Associate Professor Nicole Hartley et al.



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## Future plans

**Looking to 2023 we are excited to continue our collaborative connection to Queensland's leading healthcare leaders and organisations. Together, with our cross faculty partners and our global research network we will continue to deliver impactful healthcare outcomes that operated at the nexus of research and industry excellence.**

We anticipate that the future of health priority areas into 2023 will be shaped by a number of factors including advances in medical technology, demographic changes and the evolving needs of the healthcare system.

Predictive trends in the sector include:

- Increased use of technology – advances and access to technology such as telehealth, wearable devices, and digital health platforms will become more prevalent providing new ways to deliver care and improve health outcomes.
- Integration of care – greater emphasis of integrated care across the healthcare system to ensure patients receive seamless, coordinated care.

- Aging population – will continue to place increased demand on the healthcare system, particularly in the areas of geriatrics and chronic care.
- Emphasis on mental health – this area will become an increasing priority leveraging from insights from the pandemic highlighting the importance of addressing mental health needs.
- Personalised medicine – advances in genomics and other technologies are allowing for more personalised treatments tailored to individual patient needs.
- Focus on preventative care – a greater focus on this area is warranted as a means of reducing demand for hospital services and improving overall health outcomes for all.

The FoH hub members and our affiliates are best placed to respond to these predicted trends and to collaborative work towards evidence-based outcomes that help not only shape but ensure the future of health for Queenslanders and all Australians.



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Connect with us

