



NHMRC Partnership Centre: Health System Sustainability Inaugural Symposium

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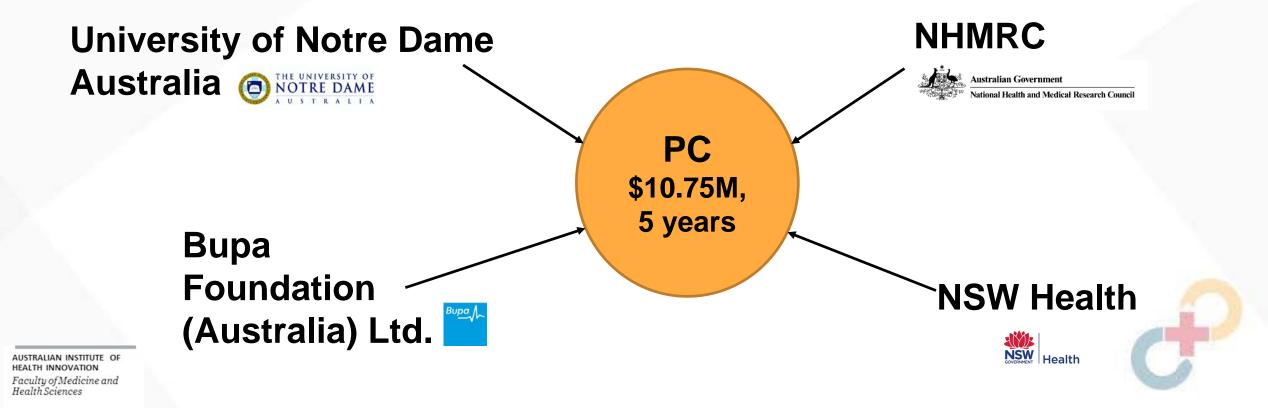


What is health system sustainability?

Sustainability implies that the health system endures and adapts by ensuring limited resources (physical, financial and human) are used efficiently and responsibly enough to continually maintain or improve population and individual health and wellbeing in a constantly changing external environment.

Health System Sustainability PC Funding Partners





AUSTRALIAN INSTITUTE OF HEALTH INNOVATION

Faculty of Medicine and Health Sciences











FACULTY OF
BUSINESS &
ECONOMICS

















Part 1: Structure of the Grant





Chief Investigator (CI)

Professor Jeffrey Braithwaite, AIHI







Ms Kim McClymont, NSW Health
Ms Annette Schmiede, Bupa Health Foundation
Professor Christine Bennett AO, University of
Notre Dame



Six Research Lead Investigators (RLIs)



Professor Enrico Coiera, AIHI Professor Johanna Westbrook, AIHI Professor Paul Glasziou, Bond University Professor Anthony Scott, University of Melbourne Professor Jonathan Karnon, University of Adelaide Professor Rachelle Buchbinder, Monash University & Cabrini Institute

Six Systems-Based Lead Investigators (SLIs)



Professor Robyn Ward AM, University of Queensland Dr Teresa Anderson, Sydney Local Health District &

Sydney Health Partners

Professor Helena Teede, Monash University &

Monash Partners

Ms Leanne Wells, Consumers Health Forum
Professor Leonard Gray, University of Queensland
Dr Trent Yeend, Independent Hospital Pricing Authority



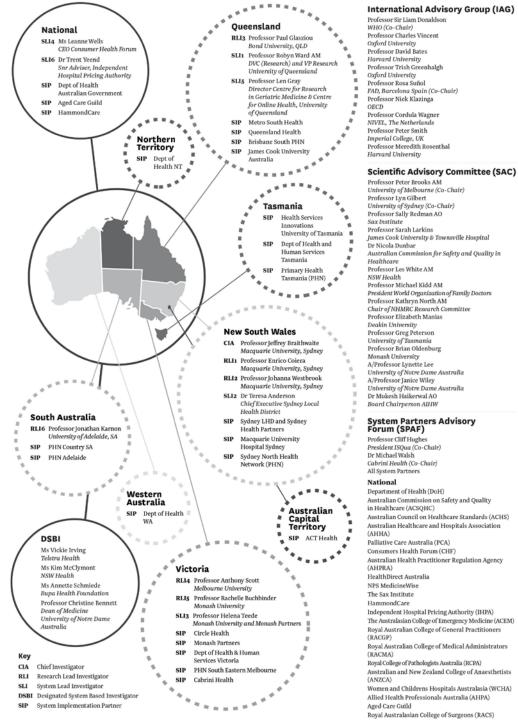


Implementation Partners and Supporters from 41 organisations or agencies



PARTNER MAP

NHMRC Partnership Centre for Health System Sustainability









International Advisory Group (IAG)

Co-Chairs

Professor Sir Liam Donaldson

WHO, Patient Safety Envoy

Professor Rosa Suñol

Avedis Donabedian Research Institute, Universitat Autonoma de Barcelona





Scientific Advisory Committee

Co-Chairs

Professor Peter Brooks AM

University of Melbourne

Professor Lyn Gilbert AO

University of Sydney







Co-Chairs

Professor Clifford Hughes AO

International Society for Quality in Health Care (ISQua)

Dr Michael Walsh Cabrini Health



Objectives of every PC



- Support implementation of research-informed changes in health and health care systems
- 2. Synthesis and dissemination of existing research relevant to improving health and health care system performance
- 3. Undertaking collaborative new research to improve health care using methods which are cross-sectional, inter-disciplinary and trans-national in scope
- 4. Building capacity, within the research community to conduct applied research and within the system to use research as part of change management



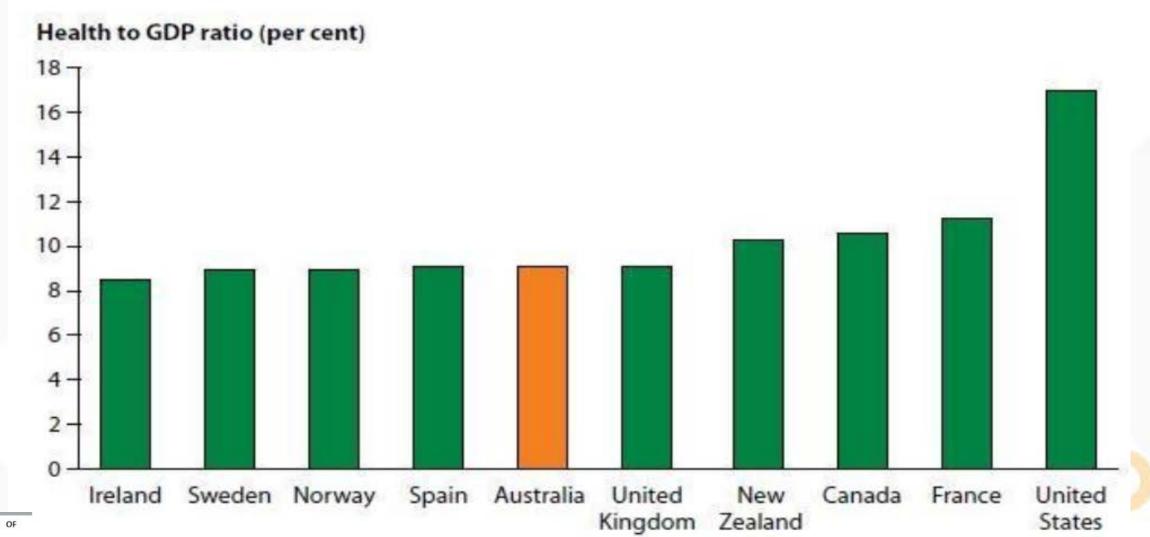
Part 2:

What are we trying to do?



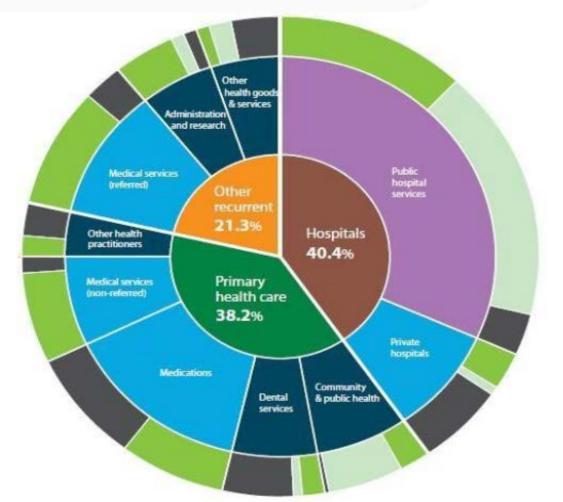
Health expenditure as a proportion of GDP, selected OECD countries, 2011



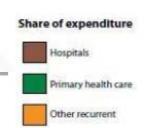


Health services-funding and responsibility





Note: The inner segments indicate the relative size of expenditure in each of the 3 main sectors of the health system ('hospitals', 'primary health care', and 'other recurrent'). The middle ring indicates the relative expenditure on each service in the sector (shown by the size of each segment) and who is responsible for delivering the service (shown by the colour code). The outer ring indicates the relative size of the funding (shown by the size of each segment) and the funding source for the difference services (shown by the colour code).



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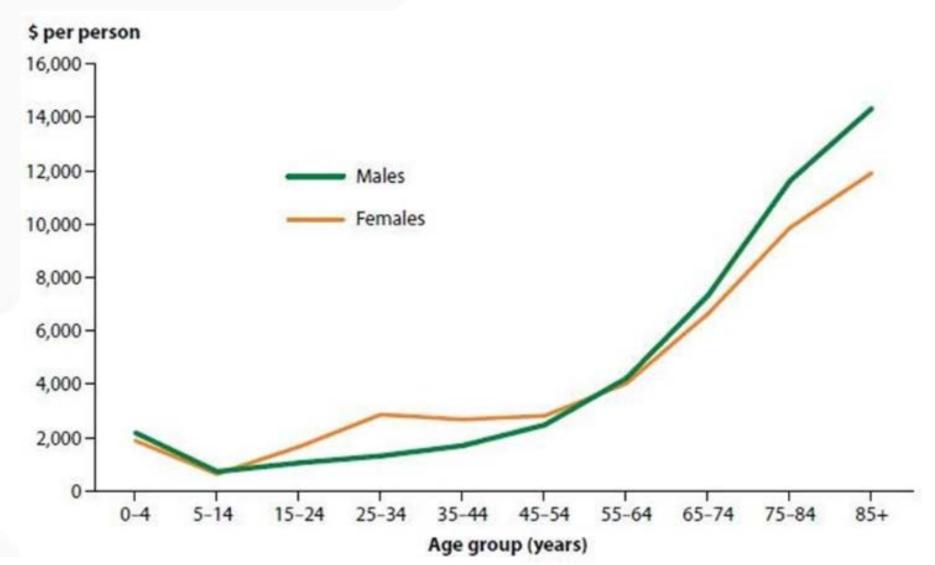


Source: http://www.aihw.gov.au/australias-health/2014/health-system



Allocated health expenditure per person, by age and sex, 2008-09





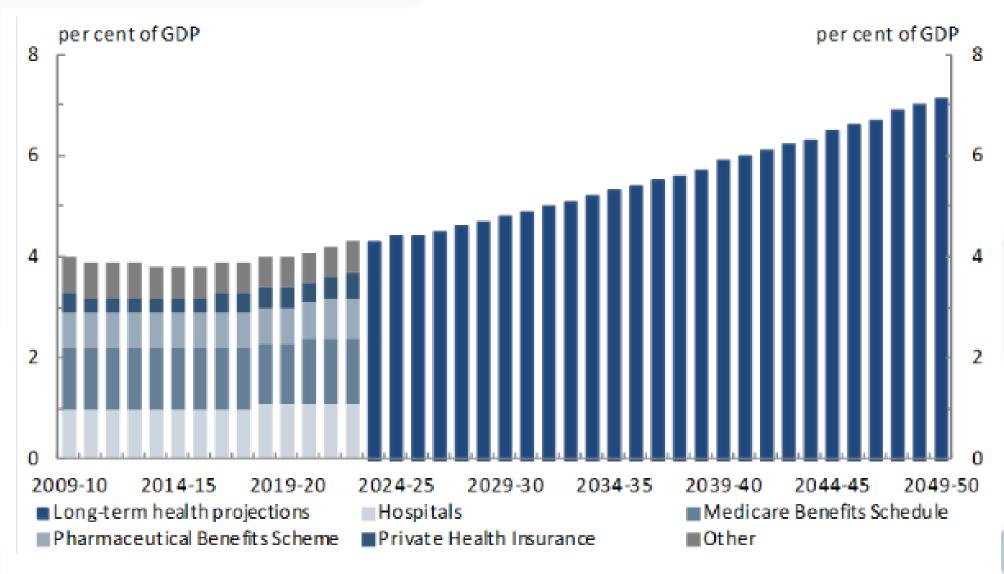


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Source: http://www.aihw.gov.au/australias-health/2014/health-system/

Projected Commonwealth health spending





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Source: Australian Government, 2010.

Health System Sustainability



Policy and Politics

Ensure right

Purchasing effective care

Targeting of financing Equitable Funding

Health System Sustainability

Health system integration

Consumers transverse it without falling through the cracks

People and their health

Focus on key issues

Data and evidence

Effective use by system

Health workforce

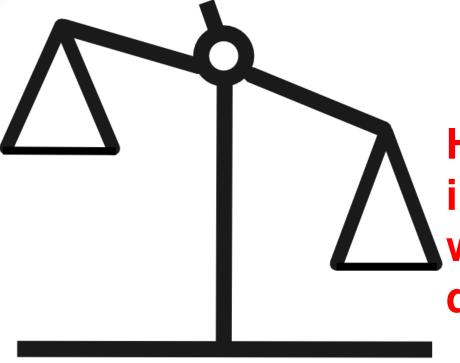
Right balance Right skill mix



Partnership Centre Vision



Effectiveness of every taxpayer dollar spent and every hour worked; reduce financial waste



Health system improvement, workforce and quality and safety





Partnership Centre Vision

Our vision is that our research findings significantly influence the evolution of a resilient health care system that is affordable, cost-effective and delivers improved health outcomes for all Australians.



PC Research Expertise



Evidence-Based Practices, Variation, Waste and Clinical Practice Change Implementation Science and Behaviour Change

Health System Sustainability

Health Economics, Value, Economic Evaluation, Health Financing and Incentives

Data Analytics, Data Mining, Predictive Modelling and Biostatistics

Digital Health and Health Informatics

Aged and Community Care Services

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Three Initial Research Areas



Using analytics, technology and shared data

Reducing waste and low-value care

Promoting better value for the health dollar





Part 3: Outcomes expected at end of the five years





- Demonstrated the effect of information sharing and electronic records on diagnostic testing and therapy decisions
- 2. Tested and implemented successful data analytic tools which identify and manage chronically ill patients at high risk and which improve the quality and efficiency of health services and hospitals
- Influenced the adoption of cost-effective and clinically significant models in telehealth in Australia





- 4. Prioritised the main sources of wastage and low value care in the Australian health system and understood the relative contribution of different sources of inappropriate care and variation to the growth in volume of care per case
- 5. Quantified aspects of resource wastage and have started to identify and implement solutions
- 6. Identified promising alternative care delivery models (lower cost locations, providers and processes) and evaluated the potential for system gains in different contexts of care: e.g. in Primary care settings, Hospitals, Aged Care



- 7. Gained a more detailed understanding of whether and to what extent, **funding mechanisms** can reduce waste and encourage high value care in Australian health care settings
- 8. Demonstrated important aspects of behaviour change amongst clinicians, consumers and policymakers which embraces uptake of cost-effective care recommendations and articulated the mechanisms for achieving this, e.g. competition



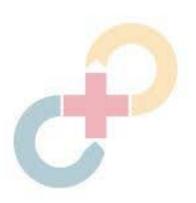
9. Established an overarching legacy which lies with our aim to produce impact so that we leave a sustainable program of work and workforce (research and implementation capacity) which adapts and continues to serve the health system

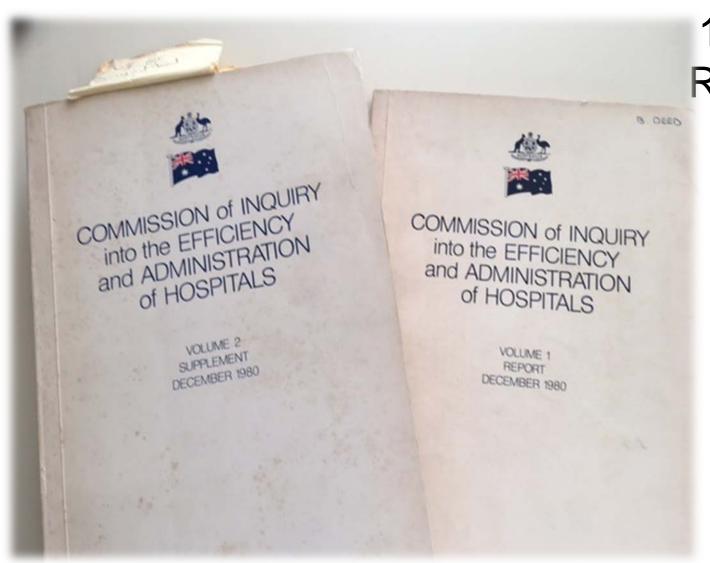


Inaugural Symposium Have we been here before?









1980 Royal Commission



National

Health

Strategy

1991

NHHR(

2009



Partnership Centres Funding more than traditional research

- Not a traditional research initiated grant scheme
- Not the research project that drives the work
- Goals and work plan in response to the particular needs of the health and healthcare systems
- Funding partners are looking for research informed improvements in care, management and/or policy
- Facilitate routine use of research in Aust health and healthcare system



Scope and objectives of the Partnership Centre Health System Sustainability

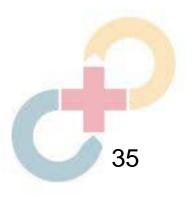
Investigate and

create into centions to improve health system performance sustainability

explore issues impacting health care system sustainability and develop and evaluate a set implementable interventions that are appropriate from a clinical, patient and economic perspective

e outcomes of this work will be practical in nature and relevant to governments at all levels



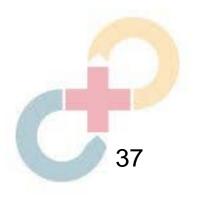


A sustainable health system delivers care that:

- Meets healthcare needs –culturally sensitive, socially responsive, economically responsible (affordable)
- High quality, appropriate, accessible, patient-centred, equitable, effective and efficient.
- Optimises patient value over the full cycle of care desired health outcomes per \$ spent
- Does not compromise future generations

A sustainable health system requires alignment

- Funding
- Strategy
- Delivery
- Performance management
- Information



The challenge

Major reviews of HMR commissioned by State and Australian governments have called for research and the research community to have greater impact on health-care practice, on the delivery of health services and on the development of evidence-based health policy.

