



SCORECARD - JUNE 2021

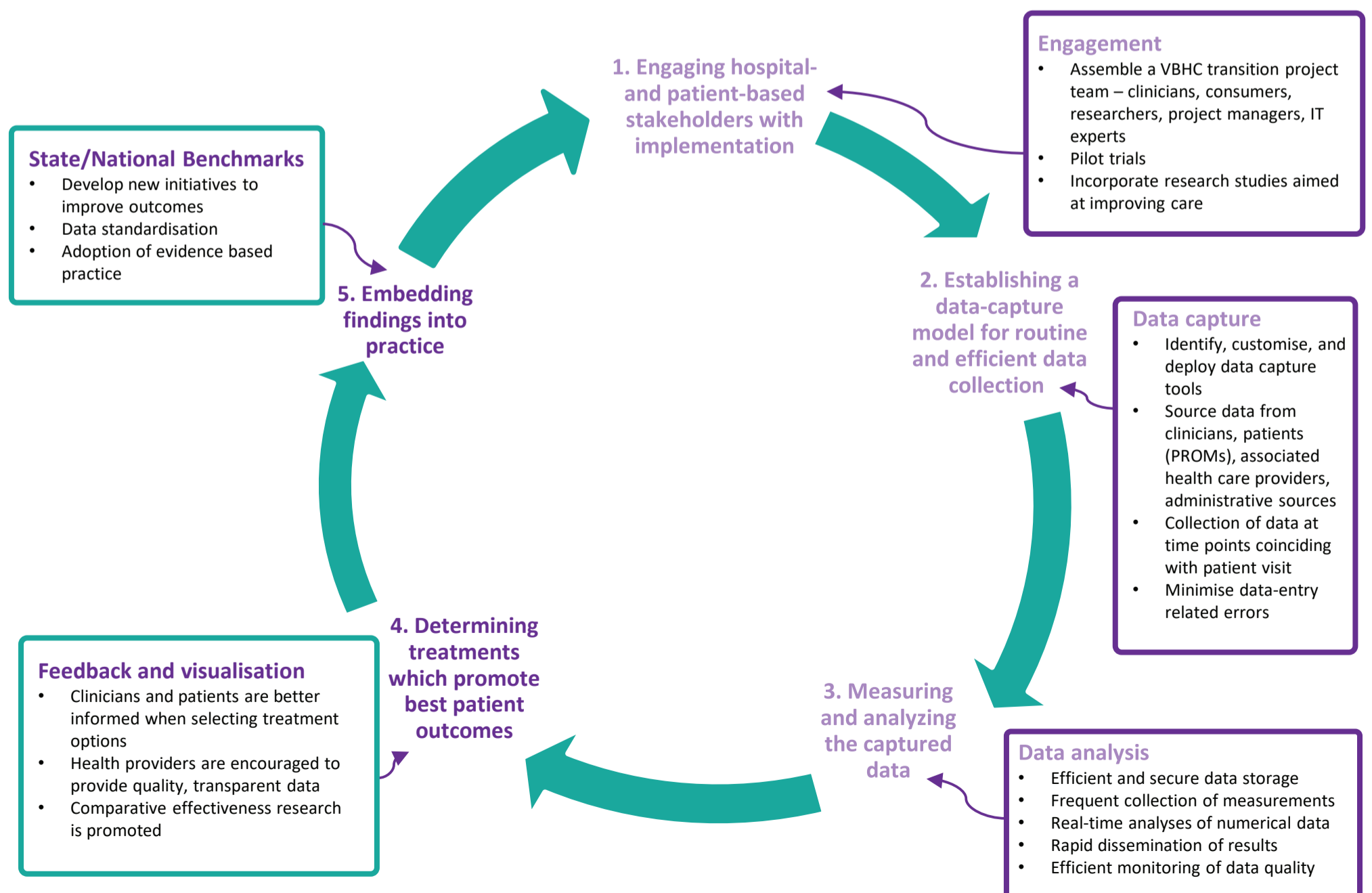
A review of success against outcomes and KPIs

What we're doing

The Continuous Improvement in Care – Cancer (CIC Cancer) Project is a multi-institutional program of research that seeks to bring value-based healthcare (VBHC) to public and private healthcare settings in Western Australia (WA). The project aims to create value through improving outcomes whilst containing costs (www.ciccancer.com). This is achieved through measuring and acting on variations in outcomes that are important for people diagnosed with cancer.

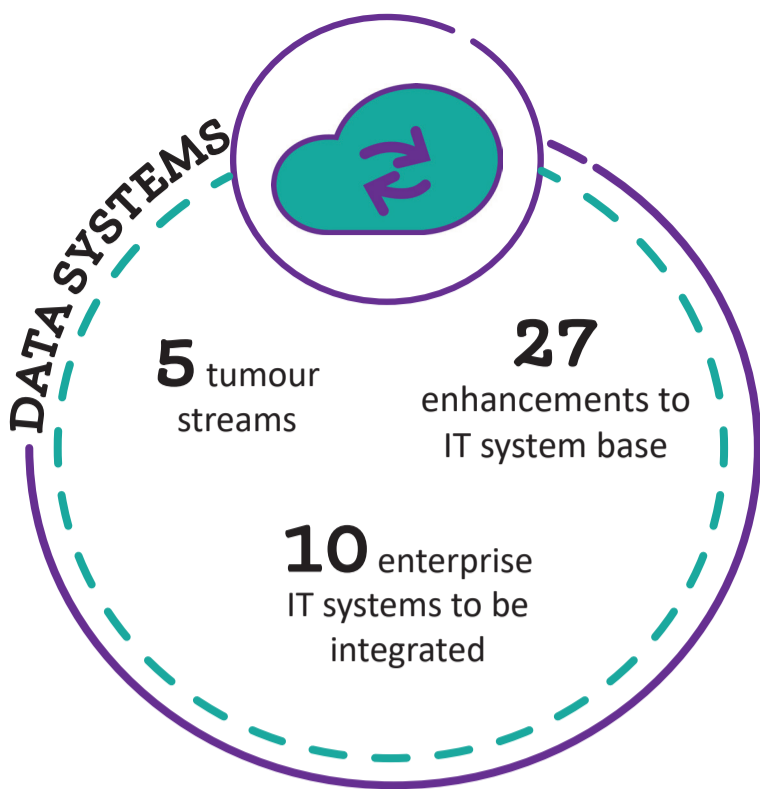
The results of combined clinical and patient-reported outcome measures will feed back into clinical management processes to improve care; help determine needs for clinical intervention; and allow units to assess and improve their practices. To the best of our knowledge, this is the first time that VBHC processes have been implemented simultaneously across multiple hospitals in both public and private healthcare sectors within Australia.

This scorecard provides a snapshot of results since project commencement in 2017 against desired short-term and mid-range outcomes and key performance indicators. To date, steps 1-3 of the 5 steps in the model have been achieved and work is underway to achieve steps 4 and 5.



SHORT-TERM

Outcomes and KPI's



KPI - A secure and effective informatics infrastructure is in place that meets the needs of clinicians and consumers and links to health services systems, where possible

An informatics system has been designed using an open source platform based on the Rare Disease Registry Framework (RDRF) with enhancements and modules specific to CIC Cancer. This system is in use at St John of God Midland and Subiaco and inclusion into WA Health is underway. The system will be integrated with other enterprise systems to allow easy access to, and transfer of, data. Work to incorporate an advanced analytics and visualisation tool will commence in mid-2021.

KPI - A definition of datasets for each nominated tumour type

International Consortium of Health Outcomes (ICHOM) standard datasets are in use for lung, colorectal, and breast cancer, with customisation for local conditions and identification and mapping of relevant tumour-specific data registry requirements. A new dataset has been developed for ovarian cancer and is being tested via a national trial. Integration with the Prostate Cancer Outcome Registry requirements is underway. Additional PROMs have been included to measure psychosocial and carer stress and the EQ-5D-5L quality of life tool has been included to assist in health economics analysis.

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Key note address from Elizabeth Teisberg unpacking human centred health care “Health care is full of smart caring people working in systems that don’t make the right thing easy”

- **Tweet from Pip Brennan Executive Director, Health Consumer’s Council**

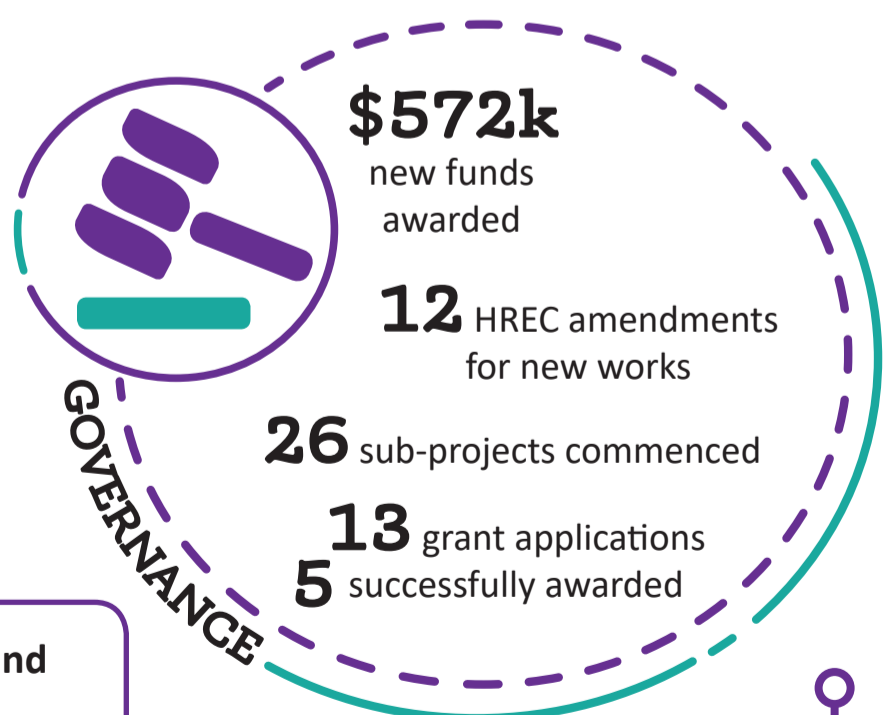
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KPI - New monies secured (grants applied for and gained)

Access to additional grant funding has resulted in new work. Further sub-project funds are being sought e.g. *Bundling cancer care: better care at a transparent cost*

KPI - Human ethics approval is obtained and maintained

Project governance structures and ethics approvals have been extended to allow for additional integration and new work.



ENGAGEMENT



13 students/
junior doctors/
volunteers involved

11 clinical
champions

84 activities
fostering national/
international
collaboration

109
stakeholder
engagement
activities

872
consumers
involved in
activities

8 sites

43 presentations
15 media releases &
13 publications

Outcome - Clinician and consumer engagement and input informs data collection and research needs

Sites, clinical champions, health services, data custodians, senior health managers, policy makers, and other stakeholders are involved, and regularly consulted, across both public and private sectors. Consumers also play a key role in initiation, planning, and implementation of project activities.

KPI - Students trained

Medical students, junior doctors, trainees, beginning researchers and volunteers are involved in project activities.

KPI - Collaborations locally, nationally and internationally

Collaboration activities have been undertaken with many different national and international groups through informal discussions about opportunities, formal membership of working groups and Steering Committees, and collaboration on sub-projects. Local interest has resulted in requests received for opportunities to work with units or clinicians within other diseases/specialties.

KPI - Communication through publications and presentations including scientific, policy, and consumer

Co-ordinated communications activities have resulted in a dedicated project website (www.ciccancer.com); twitter account (https://twitter.com/CIC_Cancer); marketing collateral; publications*; local/national/international seminars, media releases, presentations and posters; and numerous stakeholder engagement activities.

- Boban S, Downs J, Codde J, Cohen P, Bulsara C. (2021). Women diagnosed with ovarian cancer: Patient and carer experiences and perspectives. *Patient Related Outcome Measures*. 2021:12.
 - Slavova-Azmanova N, Millar L, Ives A, Saunders C. (2021). "Nothing beats the doctor's face to impart trust in their judgement" – the role of telehealth in cancer care. *Australian Health Review*. <https://doi.org/10.1071/AH20314>
- *Total 13 to date

“...can we have a chat about the work you are doing in health system improvement. Your name keeps coming up in my role back at Peter Mac helping to build a health services research program
- Email from Sanchia Aranda, AM”

AWARENESS RAISING

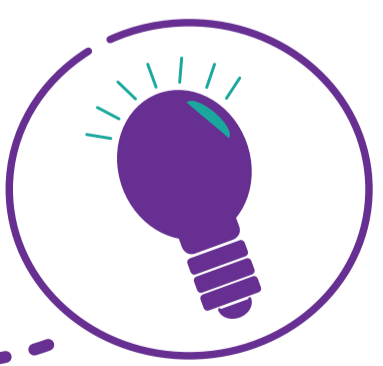
\$197k sponsorship

385 registrations

6 keynote speakers

65 abstracts

26 consumers
providing input



KPI – International conference hosted

Significant involvement from across Australia and internationally for the inaugural VBHC conference held in Perth in May 2021 (www.ciccancer.com/vbhconf).

MID-TERM Outcomes and KPI's

Outcome – Understanding of value-based health care (VBHC) is increased

Presentations and publications have promoted value based healthcare locally, nationally and internationally with collaborations in place with groups supporting VBHC.

A two-day intensive workshop conducted as part of the VBHC conference with attendance by 45 leading professionals.

DATA CAPTURE

399 consumers providing experience of care surveys

30 patient datasets tested for economic analysis

39 individual pathways costed/mapped

367 participants' data collected

10 110 1100

Outcome – Outcomes important to patients are measured and the information is used to benchmark and inform care provision across sites and the disease trajectory

Data collection is underway at all sites. Early analysis has been undertaken for breast, lung, and colorectal cancer datasets and cost data.

KPI – The ICHOM standard datasets are enhanced and improved through the results of WA trials

Feedback to ICHOM has resulted in update to, and harmonisation of, the breast cancer standard dataset, and development of metastatic breast cancer dataset and international benchmarks.

KPI – Evidence of treatment based on relevant optimal care pathway

Identification of clinical care interventions and mapping against optimal care pathways and cost of care completed for a sample of colorectal, lung, and breast cancer patients and fed back to clinicians and hospital executives.

KPI – Consumer input informs priority setting for research work into improvements in care provision

CIC Cancer Consumer Reference Group involved in development of advanced analytics and visualisation implementation methodologies and consensus guidelines for implementation of patient reported outcome measures in Australia.

KPI – Patient assessment of service in place

Data collected/ analysed for WA pilot of All.Can International Patient Experience of Care survey, COVID experience of care survey, and experience of PROs collection. Work has commenced to capture patient-reported experience measures as part of a state-wide survey of all cancer patients and a Bundled Care sub-project.

KPI – Cost effectiveness measured

Health economics 'proof of concept' work underway in partnership with Royal Perth Hospital and the Health Systems & Health Economics Unit, Curtin University.

KPI – Novel interventions, positive results and translations into clinical care demonstrated in each

Work has commenced on development and validity and outcomes testing of an innovative bundle of care/payment model for early stage breast cancer patients.

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I've just come from the Value-based Health Care conference and it's just one of those things that absolutely lifts the heart...there are so many caring clinicians and clinician researchers doing amazing things

- **Pip Brennan, Executive Director, Health Consumer's Council in a radio interview with ABC Perth Radio** on 28th May 2021 (<https://www.abc.net.au/radio/perth/programs/drive/drive/13354980>)

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“Thanks so much for partnering in the organisation of the first value based healthcare conference in Australia. The content was excellent and I think highlighted the complexity of what we are dealing with, but very reassuring we are making progress. I would welcome any opportunities to collaborate on initiatives as I am a firm believer in progressing initiatives in partnership to achieve maximum impact

- **Elizabeth Koff, Secretary NSW Ministry of Health**

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Acknowledgement:
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