

The impact of quality improvement research in Indigenous primary healthcare



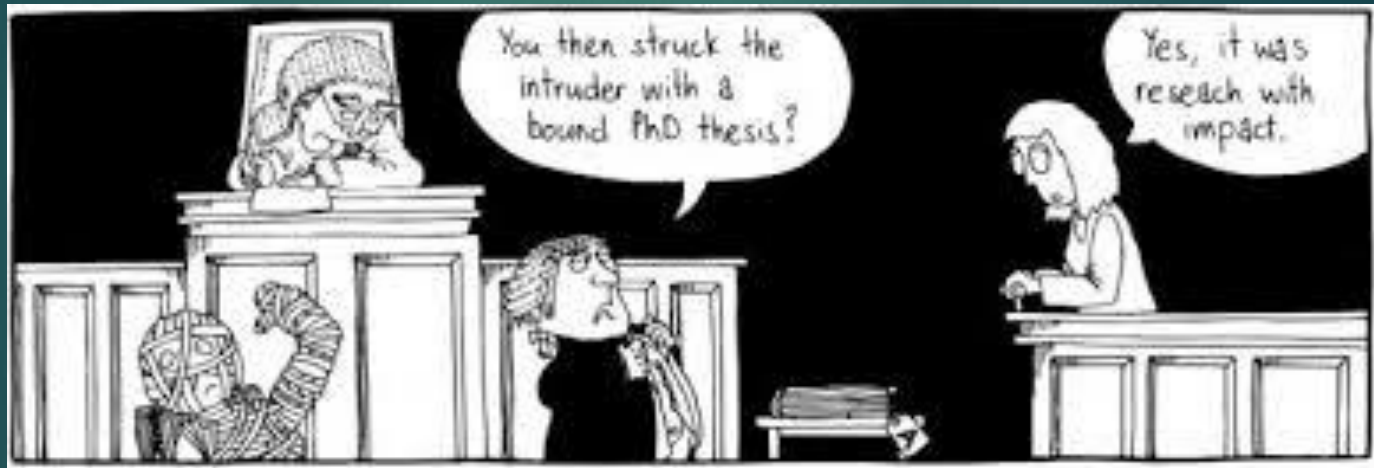
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In partnership with our community

Outline

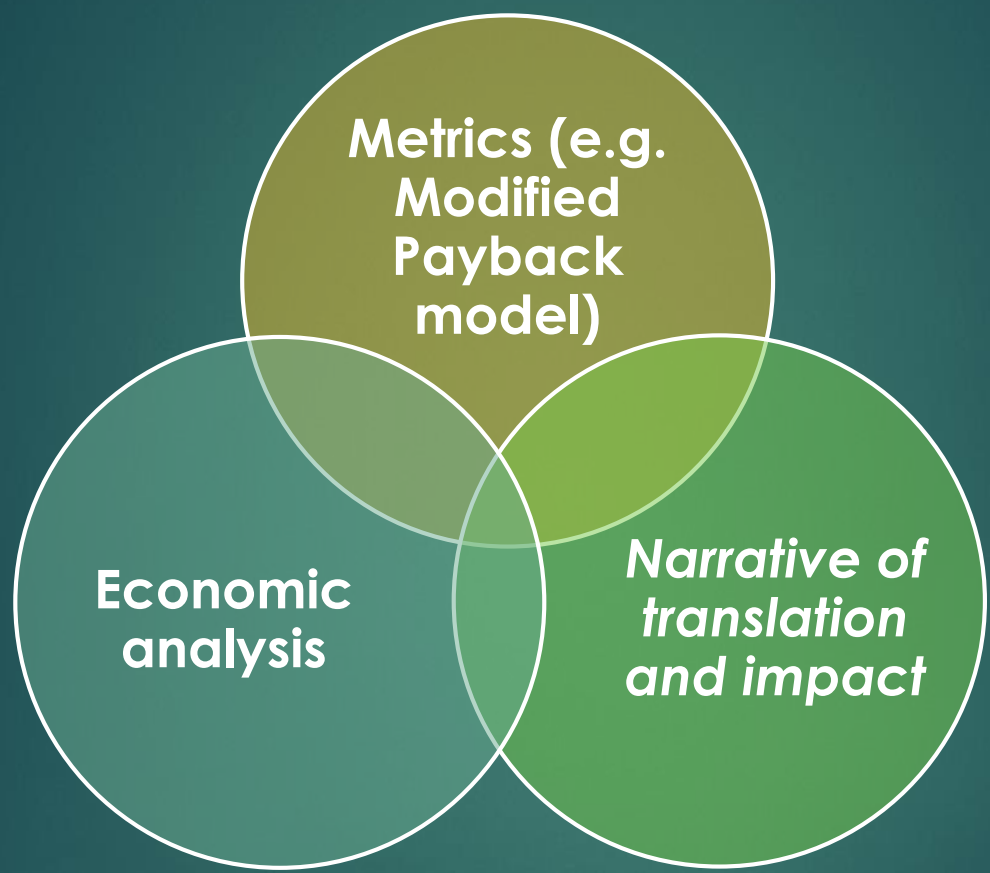
- ▶ Definition of research impact
- ▶ Impact measurement methodology
- ▶ Case study - Audit and Best Practice for Chronic Disease (ABCD) Project
- ▶ Research impact results



Research impact

"Research impact is the demonstrable contribution that research makes to the society, economy, environment and culture beyond the contribution to academic research"

(Australian Research Council, 2017)



Payback domains of benefit



The ABCD Program of work



In partnership with our community



Health
Hunter New England
Local Health District

Knowledge advancement

Metric	ABCDNRP indicator
Published articles	52 (113,036 views, 32,110 downloads)
Citations	360 (8.39 per paper published before 2018)
% published on CQI in Indigenous PHC	70% (33/42 after 2010)
Presentations	176 (local to international)
Posters	26 (15 national, 10 international)
CQI resources	49 (audit tools, protocols, modules)
Grants and consultancies	24 (leveraged ABCD data & processes)

From 2010 – July 2018. Work ongoing

Capacity building

Metric	ABCDNRP indicator
One21seventy	270 centres, 175 shared data via partnership
CQI Training	> 1,200 staff, 45% Indigenous
PhDs	8 completed, 7 current
Fellowships	6 5 ECFs 1CDF
First authorship	29 different researchers/students
Indigenous authorship	70% minimum of 1 Indigenous author

Practice change

Metric	ABCDNRP indicator
Rheumatic heart disease	↑ clinical documentation ↑ getting 40% of scheduled BPG injections, regular 4 weekly injections, doctor review, Fluvax, follow-up recall.
Maternal health	↑ screened for smoking, receiving smoking cessation advice, brief alcohol, nutrition and physical activity counselling, BMI blood pressure checks and diabetes screening
Diabetes mellitus	↑ physical checks including weight, waist circumference, BMI, blood pressure and visual acuity. ↑ in lower performing health centres who were delivering less than 20% of care in early cycles to 40-50% in later cycles

Health system change

Metric	ABCDNRP indicator				
	Vascular & metabolic	Preventive health	Child health	Maternal health	RHD
Systems Assessment tool					
Overall system	√	√	√	√	√
Organisational support for QI	√				√
Links with community	√		√		

Over 3 years * From ESP report – min 3 audit cycles

Community benefit

Metric

ABCD indicator

Maternal health

↓ in abnormal BMI in 1st tri
↓ abnormal GCT results

Rheumatic heart
disease

↓ requiring ongoing treatment, appropriate
cessation after specialist visit

Economic benefit

Metric	ABCD indicator
Savings from better RHD care	Minimising wasteful prophylaxis (\$X per injection)
Increased lifetime earnings from PhDs	\$1.2 million (\$82,874 pp)
Value of grants & fellowships	\$24.3 million
NT CQI Strategy	Contributed to securing 2.79 M per year for 4 years

Policy and legislation

Metric	ABCD indicator
Parliamentary submissions	3 (Closing the Gap, Obesity & Mental health)
APO submissions	18
APO downloads	1,981
Draft National CQI Framework 2015-2025	3 CIs involved 10 publications referenced
NT CQI Strategy (2009-2013)	ABCD provided solid foundation for Strategy One21seventy provided sound technical basis for CQI

Summary

- Subset of impact indicators for the ABCD Program using modified Payback methodology
- ABCD Program has made significant impacts in six of the seven domains
- Multi-dimensional way to evidence impacts beyond publications
- FAIT includes an economic analysis and narratives and that will be the focus of this work in the coming months

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