

# Translating evidence into chronic disease prevention action: An Australian example

---

Prof Luke Wolfenden  
Luke.wolfenden@health.nsw.gov.au



NATIONAL CENTRE OF  
**IMPLEMENTATION SCIENCE**



@LukeWolfenden  
@NCOISAustralia



THE UNIVERSITY OF  
**NEWCASTLE**  
AUSTRALIA

# New approaches for chronic disease prevention

- Hunter New England Population Health has used an embedded model – other collaborative approaches used elsewhere
- Integration of service delivery and evaluation with no distinction between research & practice/service
- Optimisation (incremental learning) approaches to the improvement of public health services
  - Repeated on-going experimentation of interventions and strategies to best implement them

A screenshot of a journal article page from the Journal of Clinical Epidemiology (JCE). The page has an orange header with the JCE logo, a 'Log in' button, and a search icon. Below the header, it identifies the article as a 'COMMENTARY' in 'VOLUME 85, P3-11, MAY 01, 2017'. The title is 'Embedding researchers in health service organizations improves research translation and health service performance: the Australian Hunter New England Population Health example'. The authors listed are Luke Wolfenden, Sze Lin Yoong, Christopher M. Williams, David N. Durrheim, Karen Gillham, and John Wiggers, with a 'Show all authors' link. It notes 'Open Access' and 'Published: March 21, 2017'. The DOI is 'https://doi.org/10.1016/j.jclinepi.2017.03.007'. There is a 'Check for updates' button and a 'PlumX Metrics' logo in the bottom right corner.

JCE

Log in

COMMENTARY | VOLUME 85, P3-11, MAY 01, 2017

Embedding researchers in health service organizations improves research translation and health service performance: the Australian Hunter New England Population Health example

Luke Wolfenden • Sze Lin Yoong • Christopher M. Williams • ...

David N. Durrheim • Karen Gillham • John Wiggers • Show all authors

Open Access • Published: March 21, 2017

DOI: <https://doi.org/10.1016/j.jclinepi.2017.03.007>

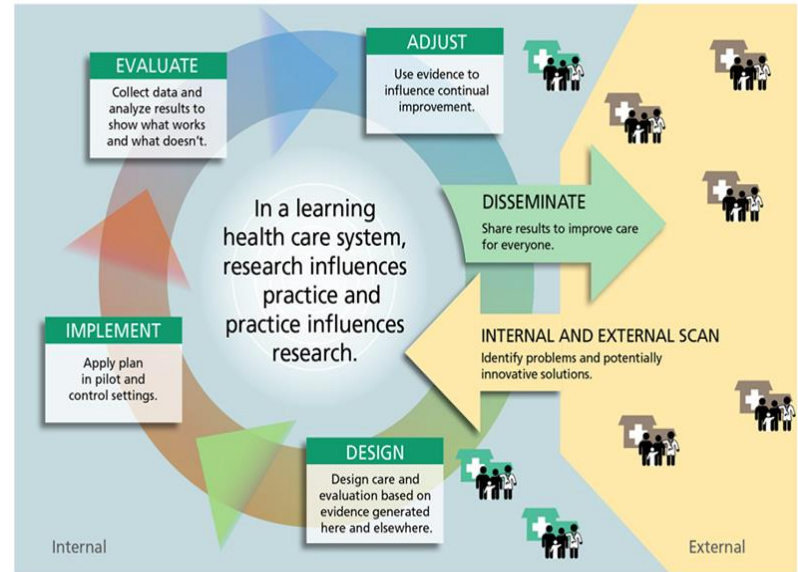
Check for updates

PlumX Metrics



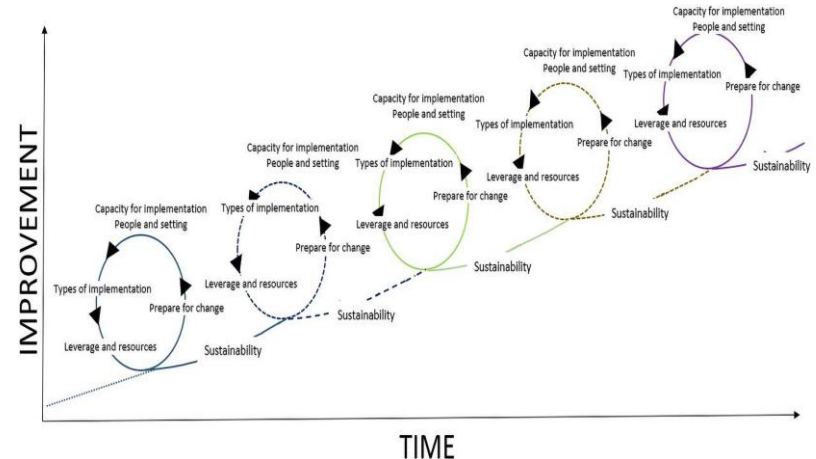
# Learning health system for prevention

- Supported by a range of research expertise and infrastructure
  - Multi-disciplinary expertise – Behavioural and Implementation Science
  - Evidence synthesis
  - Practice surveillance systems
  - Stakeholder engagement and decision making processes



# Learning Health System Outcomes

- Learning health systems approach has:
  - Yielded improvements in health system performance (better implementation, lower cost)
  - Major contributor of implementation trials
  - Contribution to conceptual understanding and applied research methods



Braithwaite et al, The three numbers you need to know about healthcare: the 60-30-10 challenge. *BMC Medicine* 2020;18:102



