Translating evidence into chronic disease prevention action: An Australian example

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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
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