

Ins and Outs of Knowledge Translation



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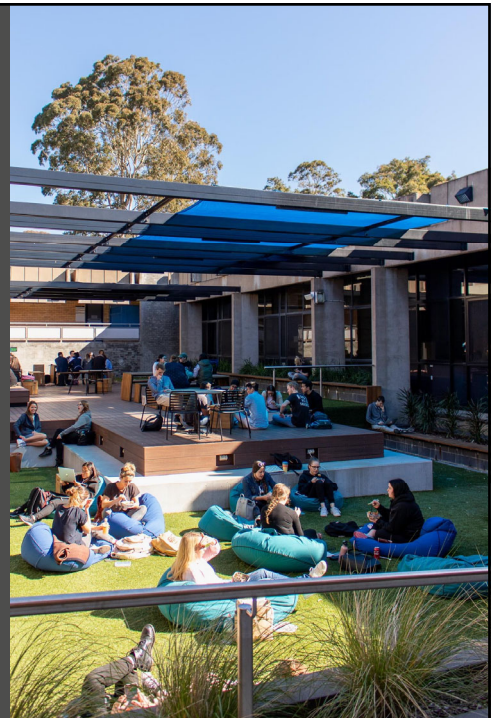
Presentation Outline

Describe the gap between evidence and practice

Highlight the benefits of KT

Define commonly used terms in KT

Outline the key steps of KT



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Evidence Practice Gap

45% of U.S. patients not getting evidence-based care¹

43% of Australian patients not getting evidence-based care²

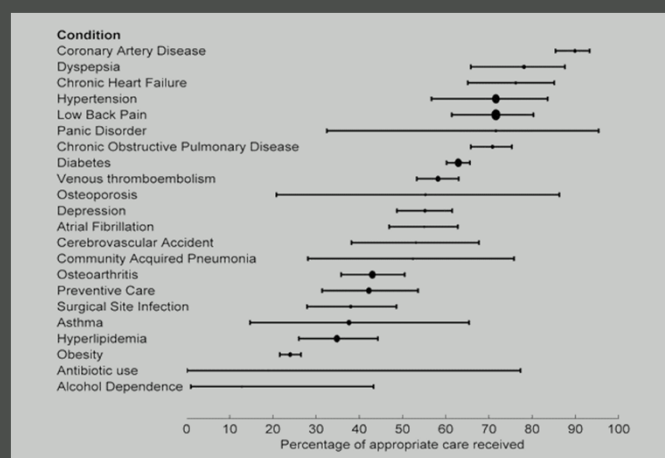
Evidence creation to application lag approximately 17 years³

¹McGlynn 2003; ²Runciman 2012; ³Morris 2014



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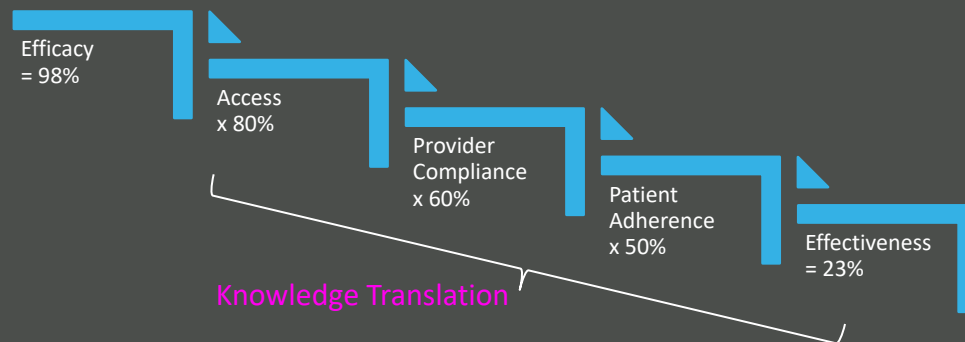
CareTrack Study



Runciman 2012

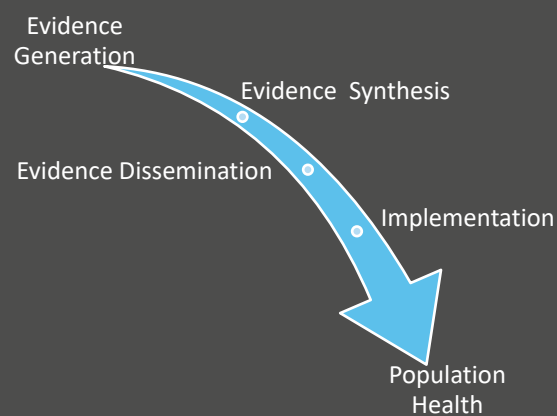
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Efficacy to Effectiveness



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Translating Evidence to Population Health



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Defining Terms

Evidence-Based Medicine

Evidence-Based Practice

Quality Improvement

Knowledge Translation

Implementation Science

Implementation Research

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Implementation Science

Implementation research

The study of methods to promote the systematic uptake of research findings into routine practice to improve the quality and effectiveness of health services and patient care



Knowledge Translation

A dynamic and iterative process that includes the synthesis, dissemination, exchange and ethically sound implementation of knowledge to improve health and health services

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Knowledge Translation vs Research

	Knowledge Translation	Implementation research
Aim	Brings about improvement	Studies improvement
Intervention	Applies interventions	Studies interventions
Design	Iterative pragmatic design	(more) Classical design
Protocol	Flexible adaptive protocol	(more) Rigid protocol
Results	Context specific	(more) Generalisable

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Process Models

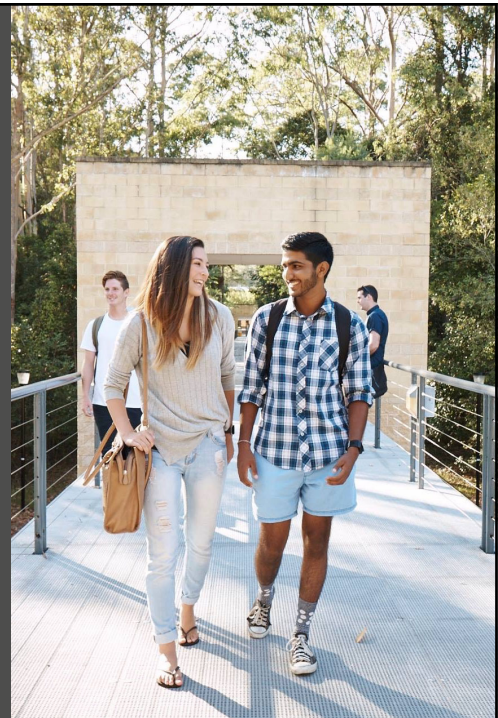
Process models have existed for two decades or more¹

A standardised approach to implementation using a process model improves outcomes¹

Process models have not been uniformly adopted or consistently applied^{1,2}

Call for research to inform the wide scale adoption and use of process models^{1,2}

¹Titler 2018; ²Melnik 2017



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Common Process Models

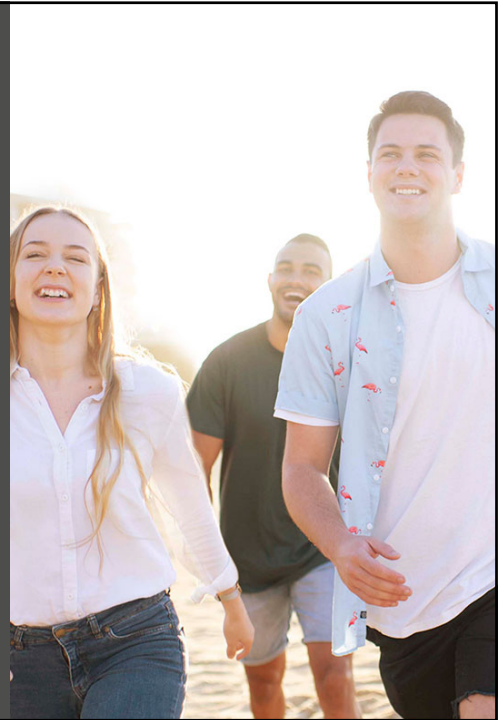
Knowledge to Action (KTA) Framework

Promoting Action on Research Implementation in Health Services (PARIHS)

ACE Star Model of Knowledge Translation

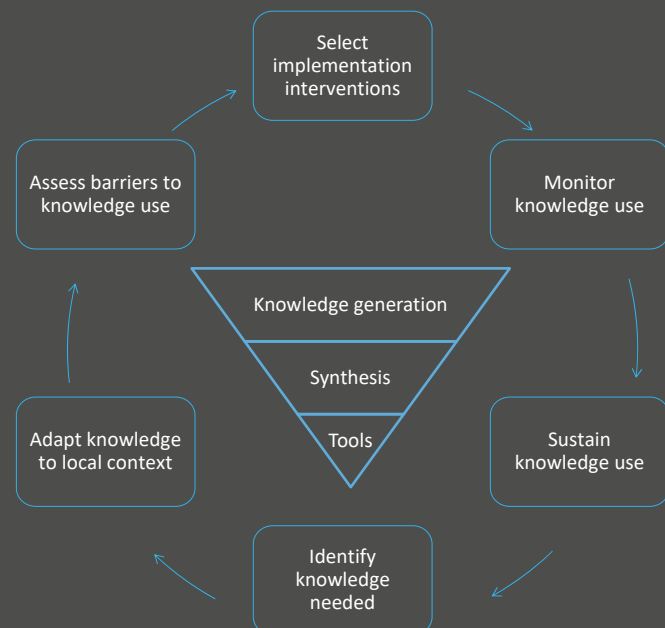
Advancing Research and Clinical Practice Through Close Collaboration (ARCC)

Iowa Model of Evidence Based Practice

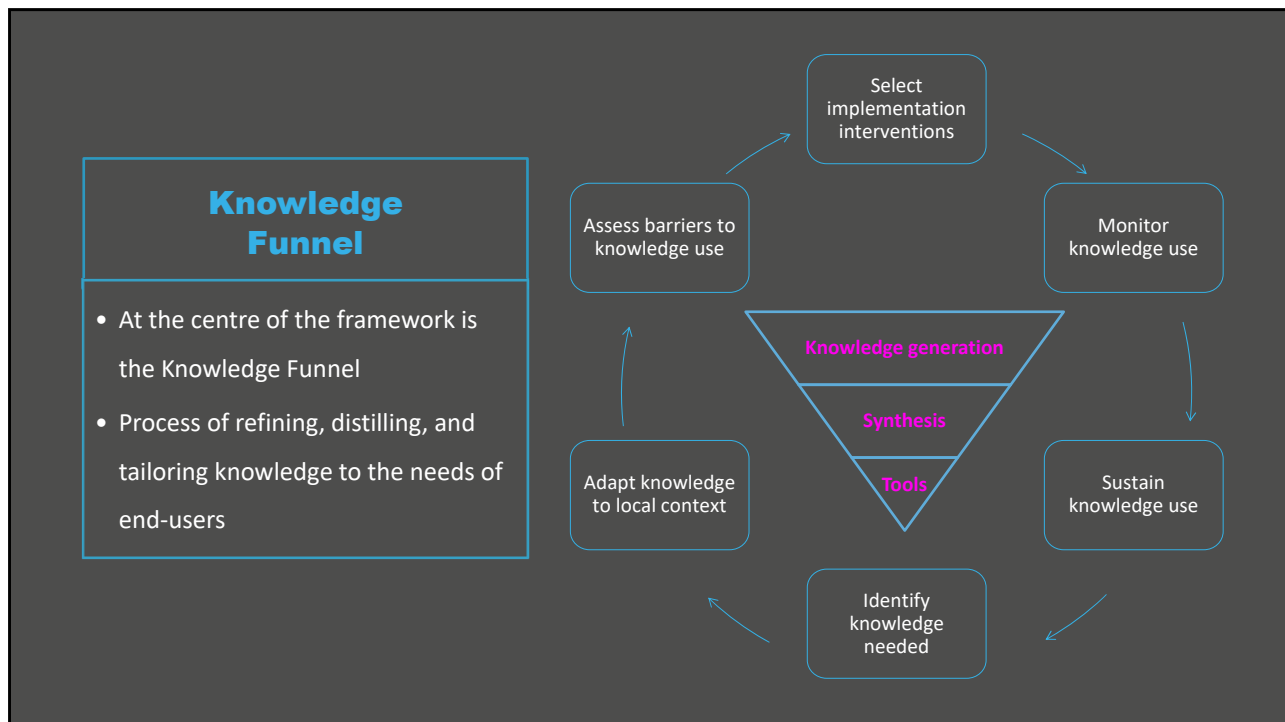


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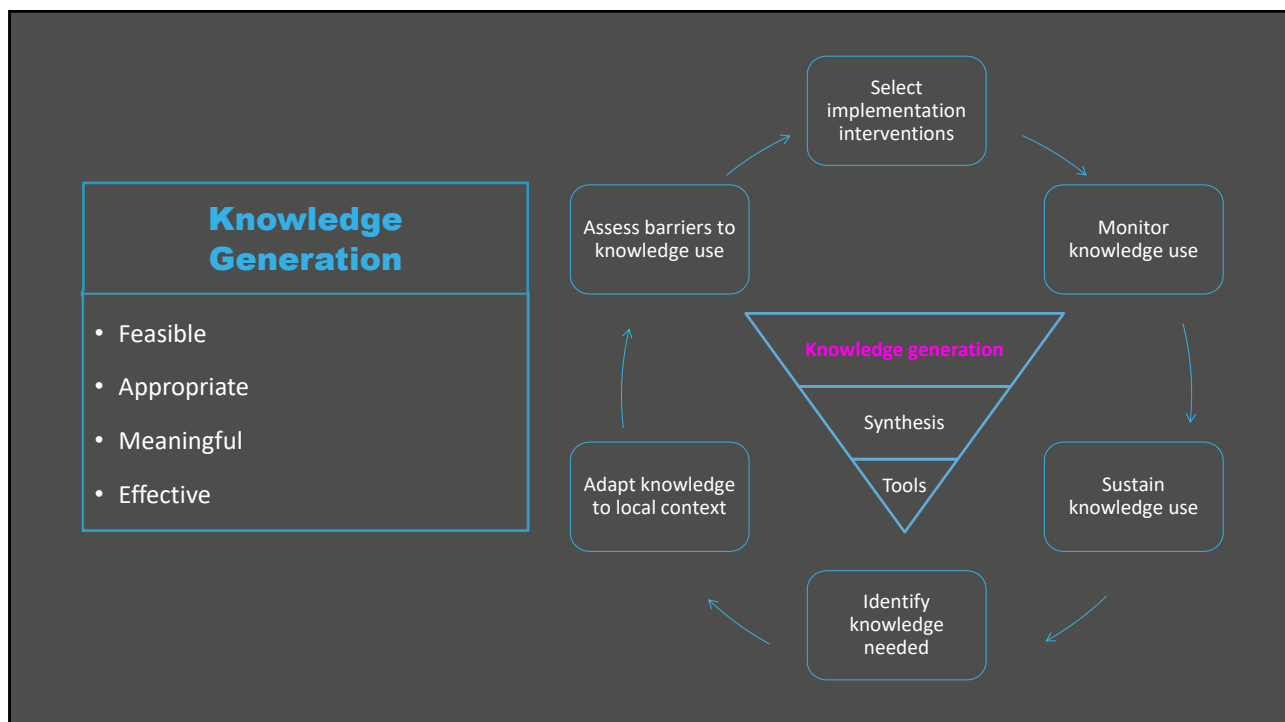
Knowledge to Action Framework



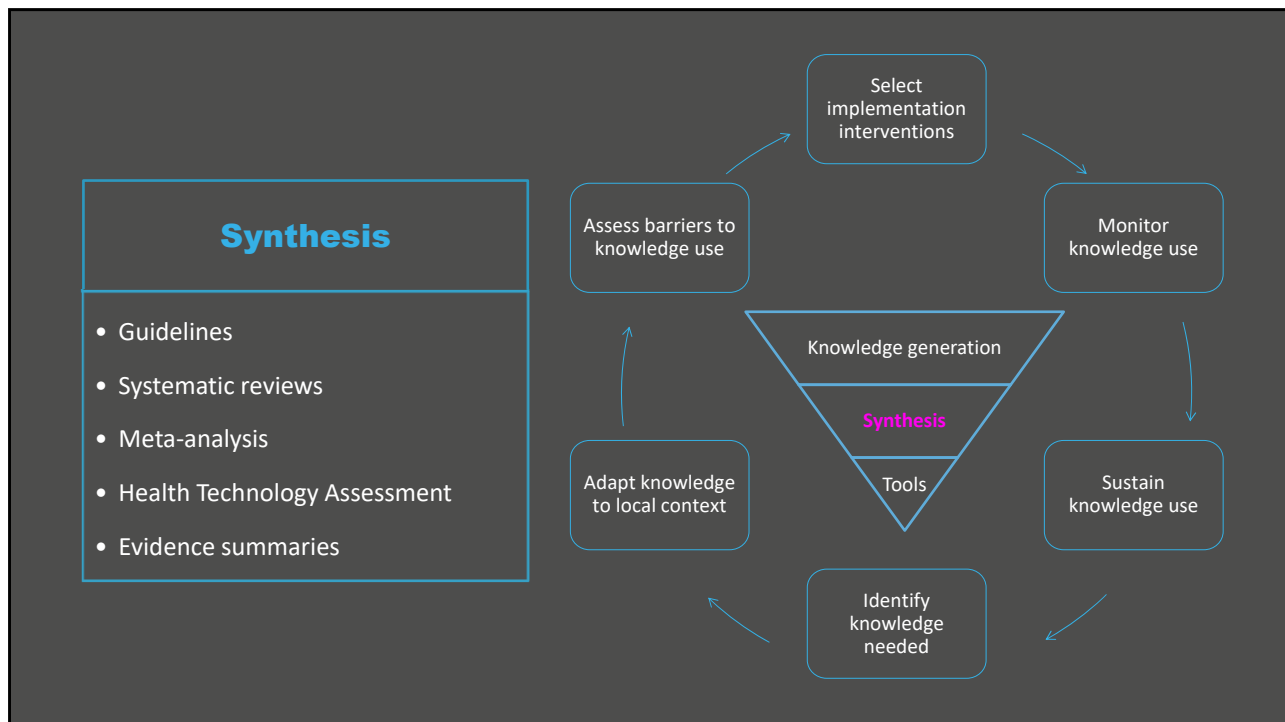
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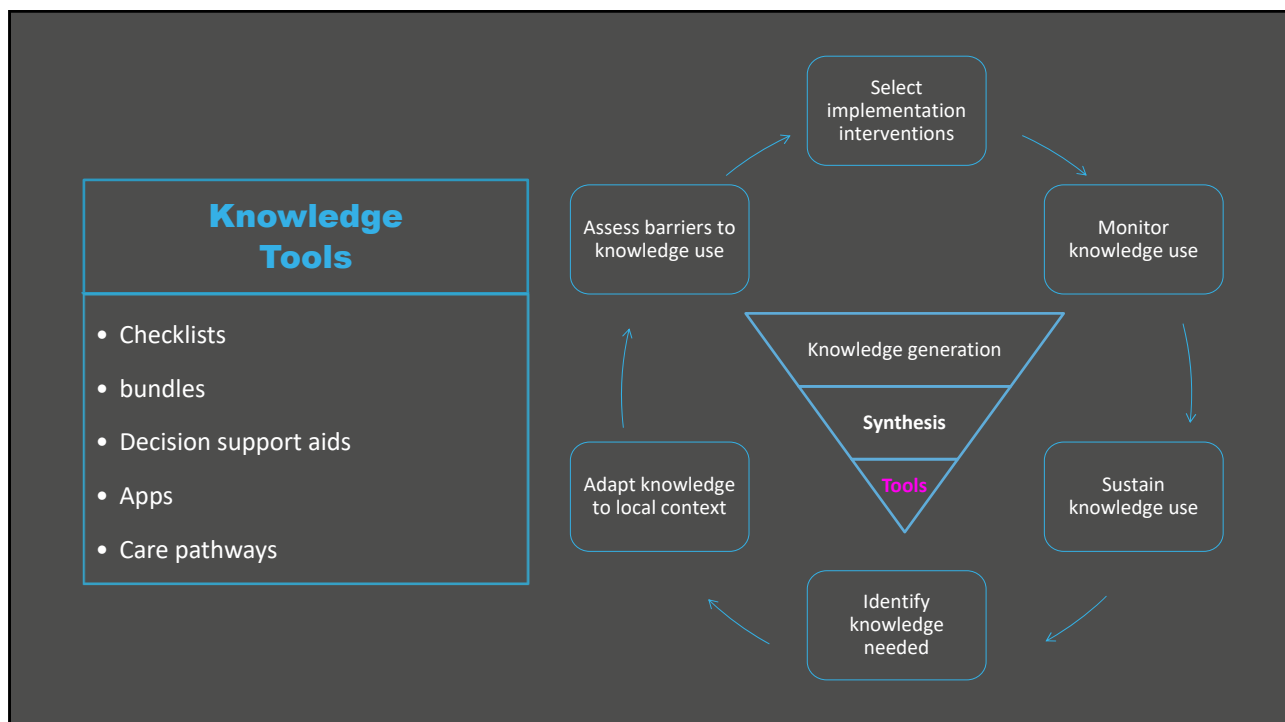
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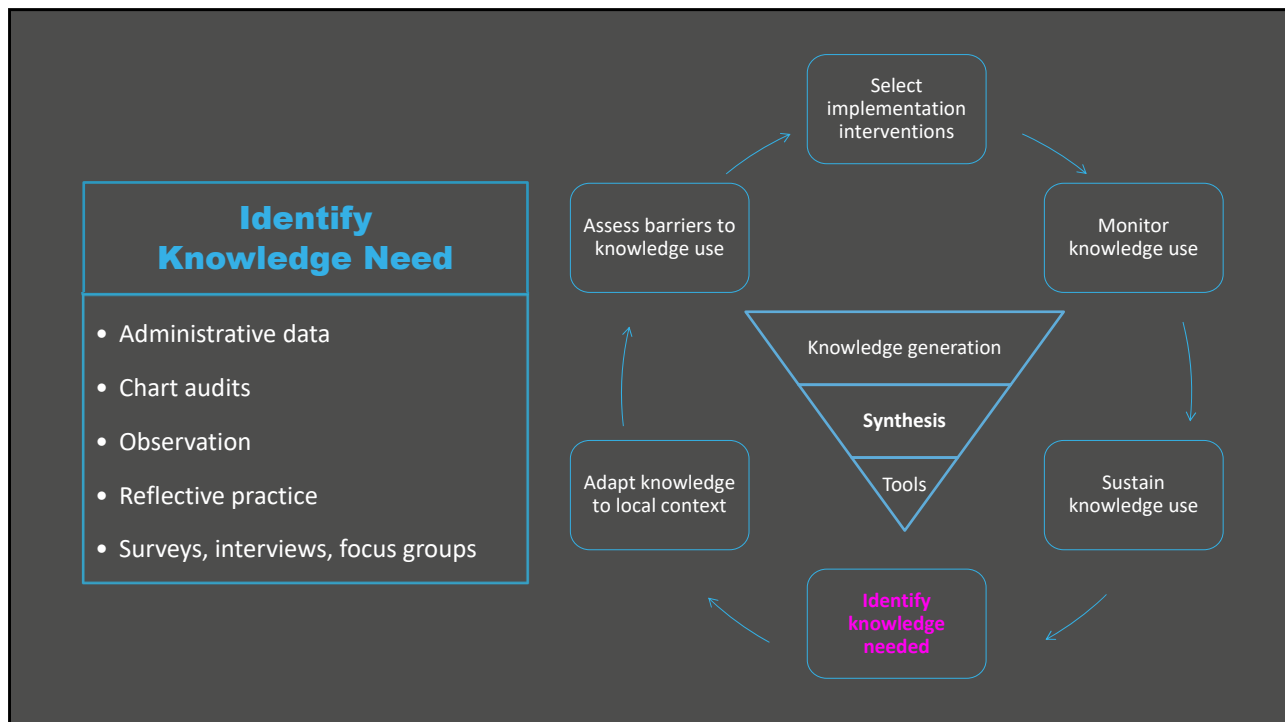
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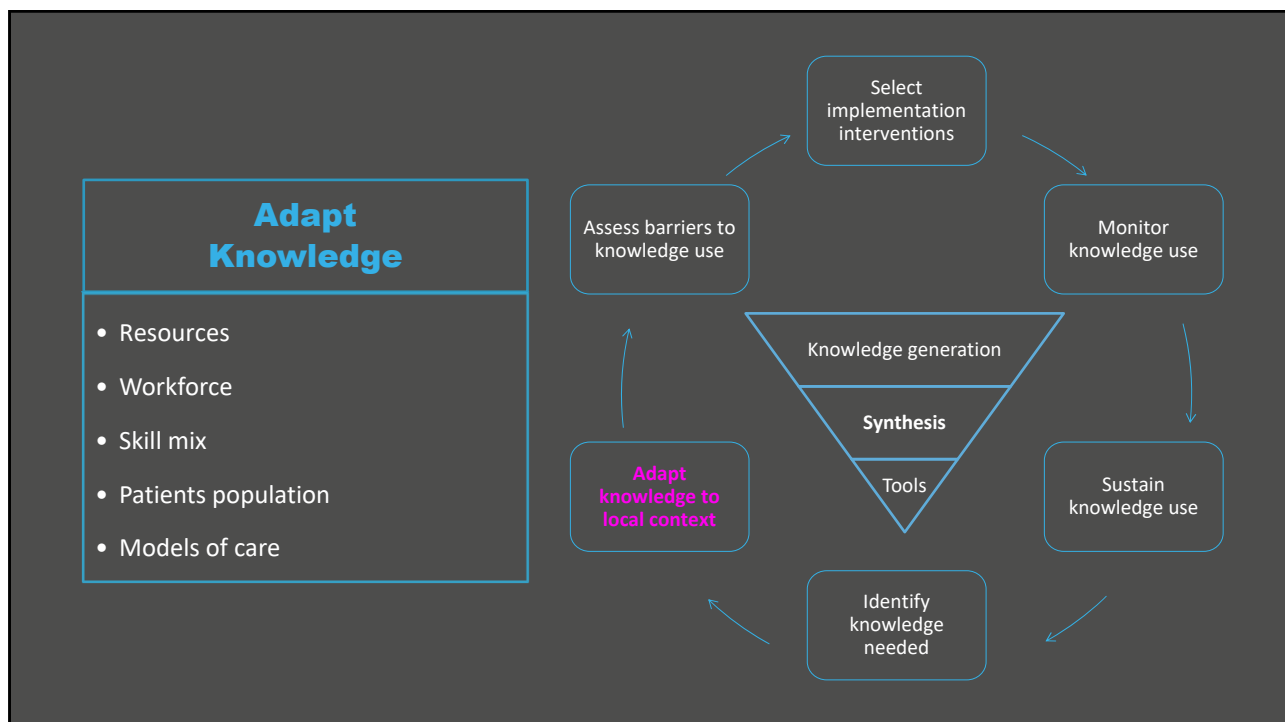
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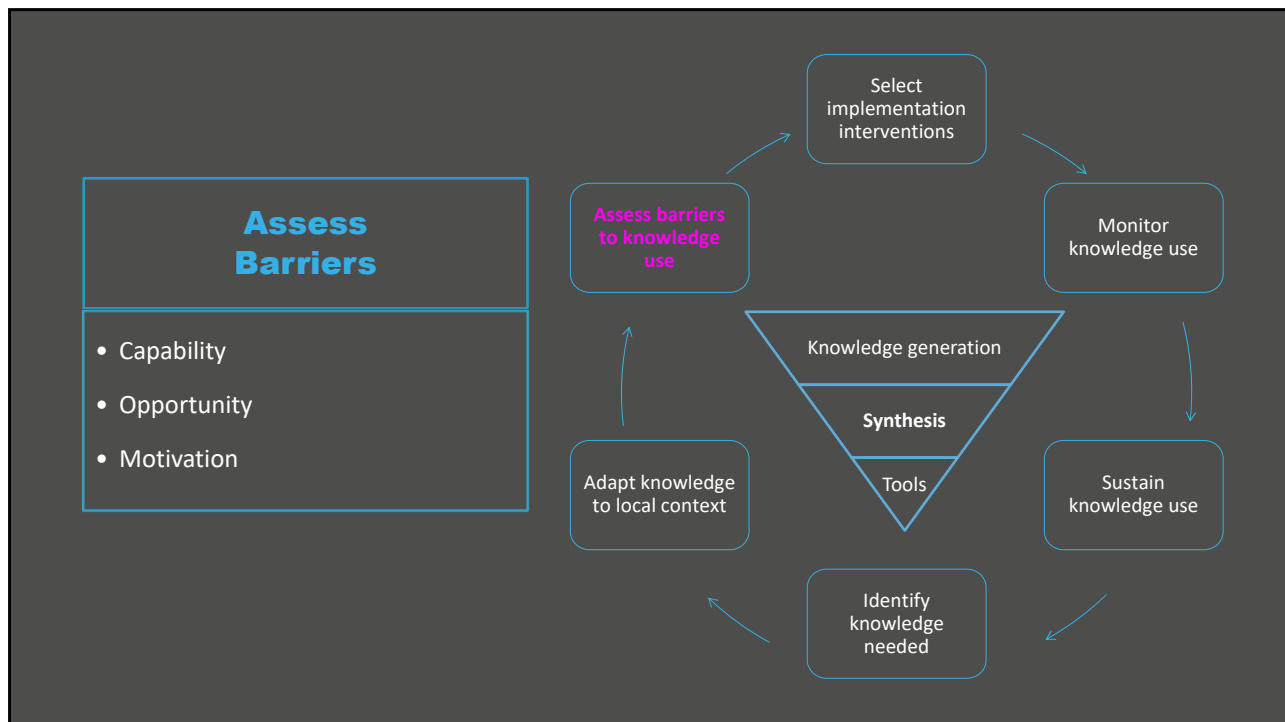
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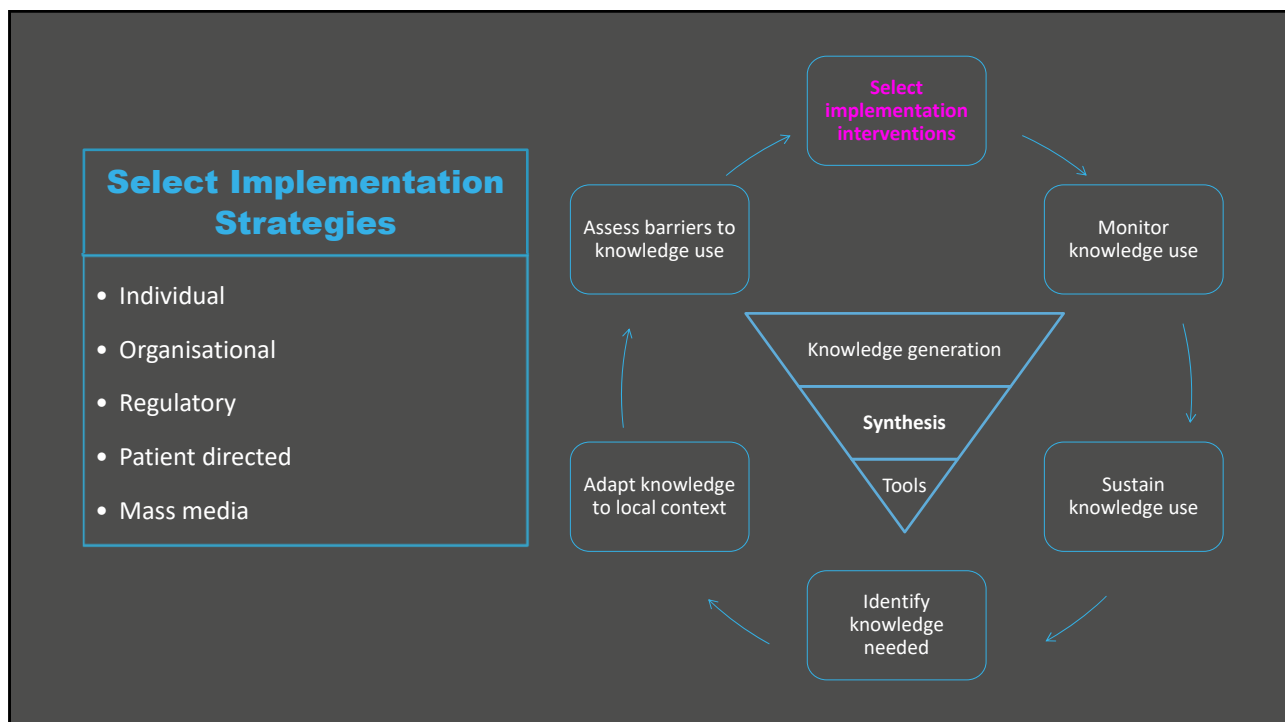
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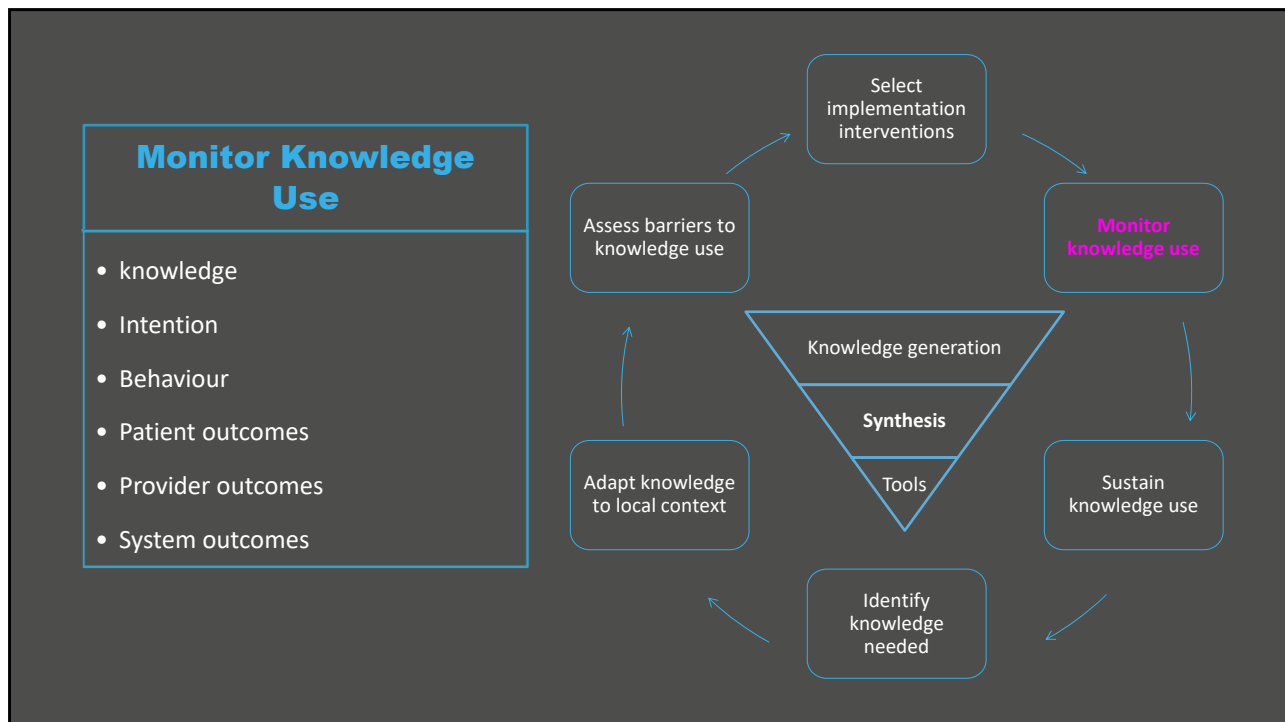
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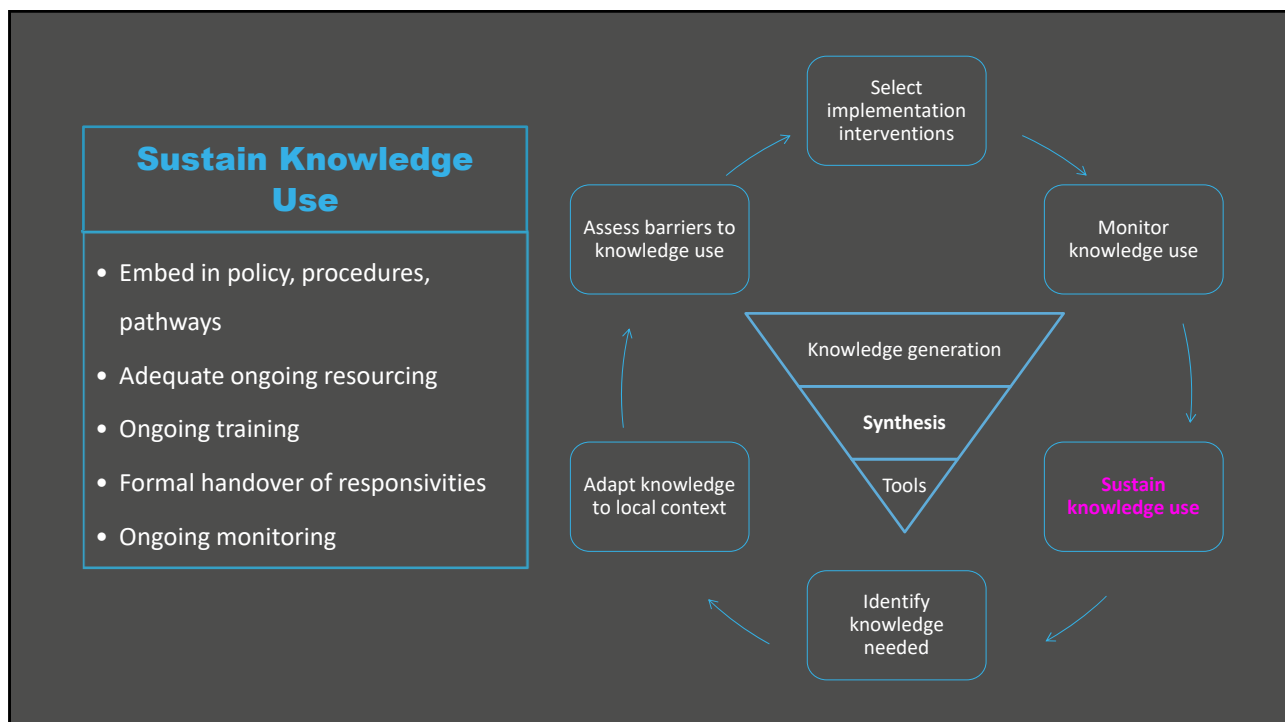
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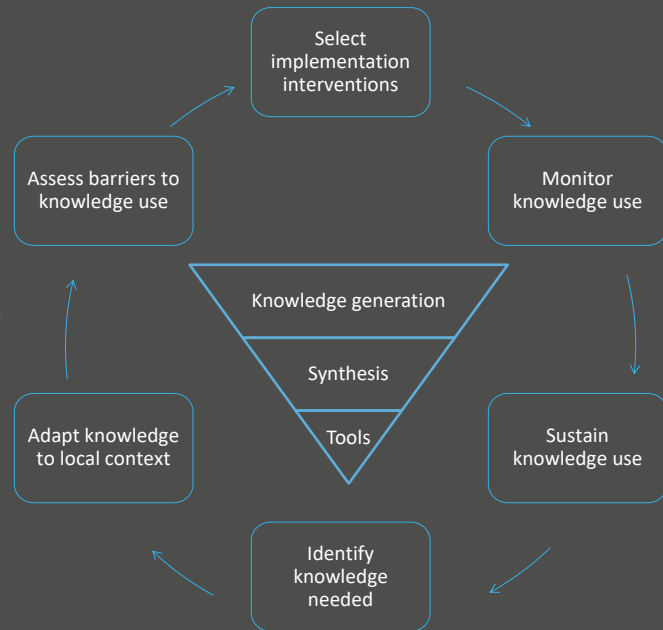


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Improving Urinary Continence Care in Hospital by Implementing a Structured Urinary Continence Assessment and Management Plan



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Funding Sources

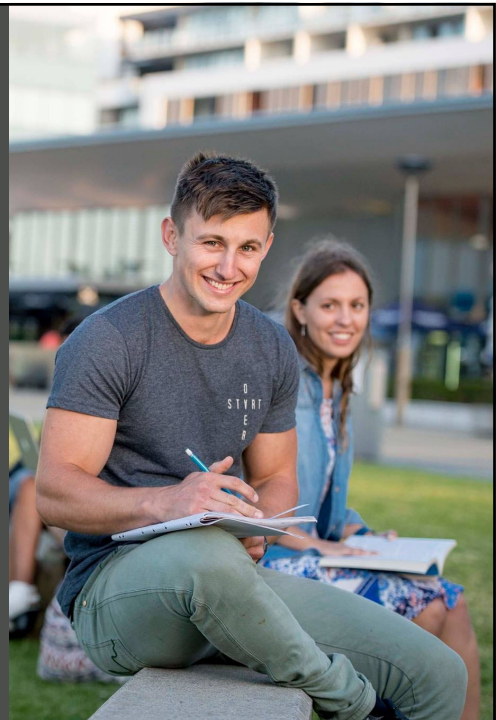
HNE Innovation Grants

NSW Health Nursing and Midwifery Research Grants

NSW ACI Grants

NSW Health Translational Research Grant Scheme

NHMRC/ MRFF



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Training Opportunities

UoN KT in Healthcare course

NSW Health AIM training

NSW ACI Clinical Redesign training



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Thank You

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