

Collaboration for
Leadership in Applied
Health Research and
Care South London
(CLAHRC South London)



**National Institute for
Health Research**

Implementation science

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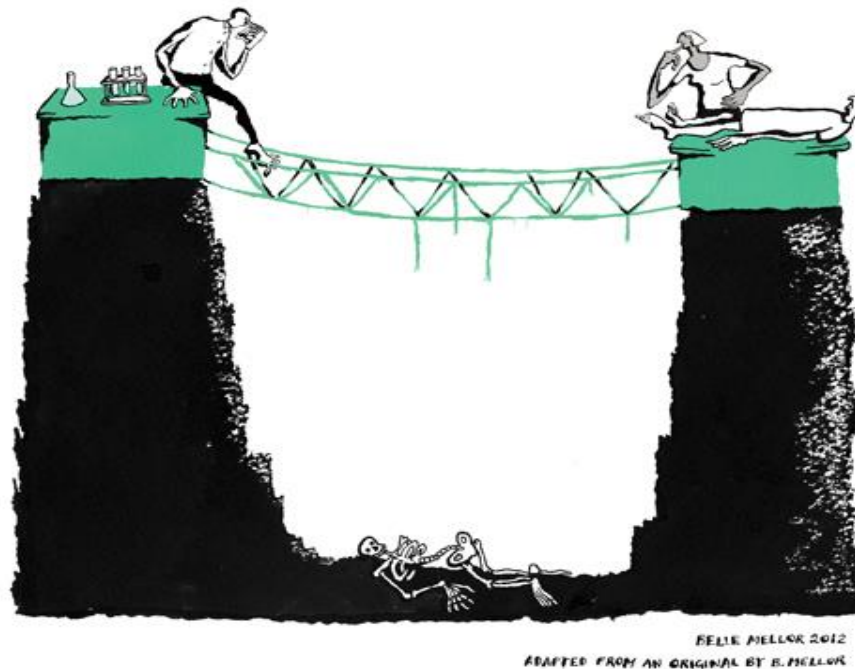
● The Collaboration for Leadership in Applied Health Research and Care (CLAHRC) South London is investigating the best way to make tried and tested treatments and services routinely available. University-based researchers, health professionals, patients and service users are working together to make this happen. ● The collaborating organisations are Guy's and St Thomas' NHS Foundation Trust, Health Innovation Network (the NHS England-funded academic health science network in south London), King's College Hospital NHS Foundation Trust, King's College

London, King's Health Partners, St George's Healthcare NHS Trust, St George's, University of London and South London and Maudsley NHS Foundation Trust. ● The work of the CLAHRC South London is funded for five years (from 1 January 2014) by the National Institute for Health Research, collaborating organisations and local charities. It is 'hosted' by King's College Hospital NHS Foundation Trust. ● The CLAHRC is also working closely with GPs, local authorities (responsible for public health) and commissioners of health services in south London.

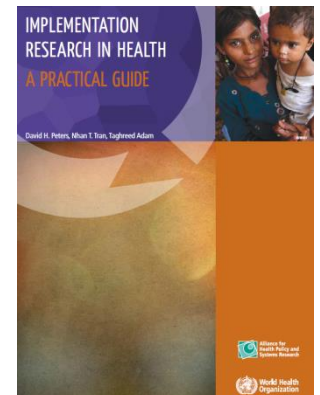
Mind the gap...

We spend a lot of time developing evidence...

...which often doesn't find its way through to practice – or it takes too long to get there



Implementation research takes what we know and turns it into what we do



Implementation science

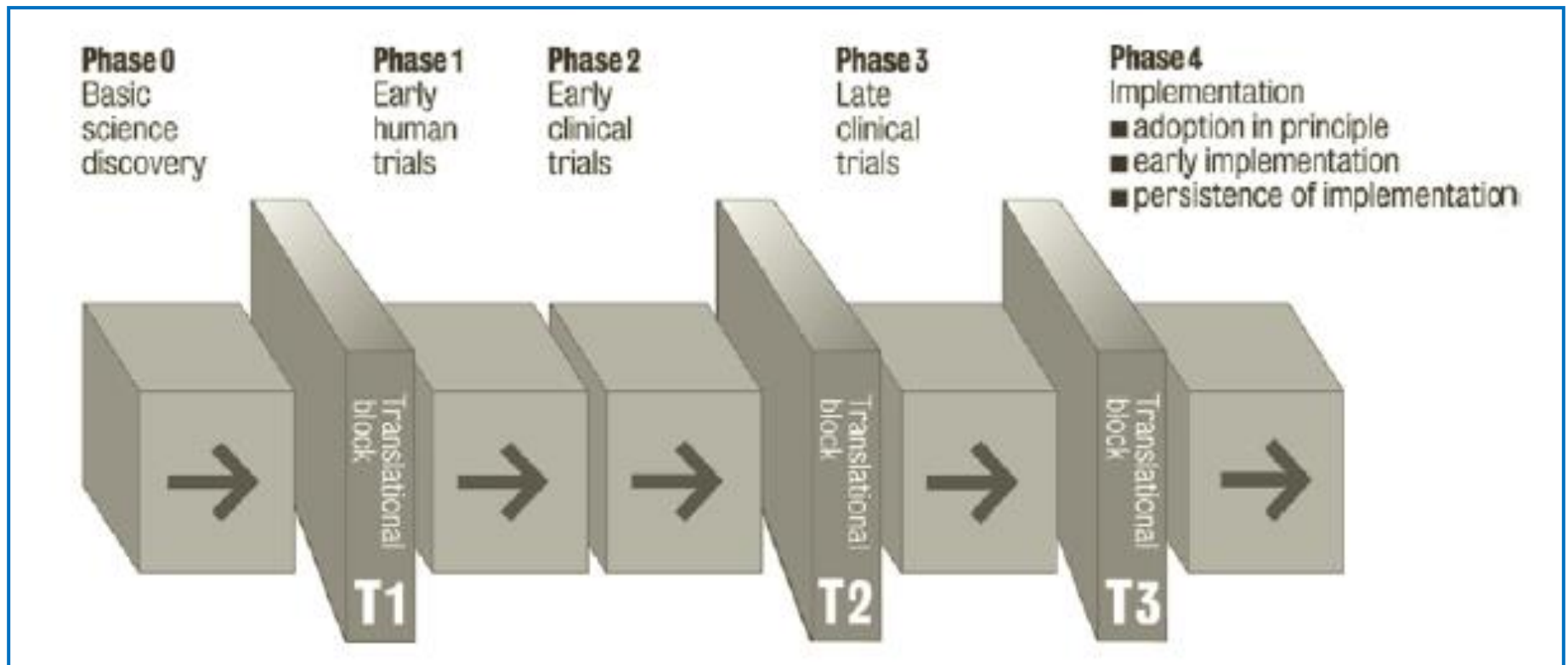
- Implementation science is the scientific study of methods to promote the uptake of research findings into routine healthcare in clinical, organisational or policy contexts
[Implement Sci journal website]
- Implementation science supports innovative approaches to identifying, understanding, and overcoming barriers to the adoption, adaptation, integration, scale-up and sustainability of evidence-based interventions, tools, policies, and guidelines
- There may be a benefit in understanding circumstances that create a need to “de-implement” or reduce the use of strategies and procedures that are not evidence-based, have been prematurely widely adopted, or are harmful or wasteful
[NIH, 2015]

Implementation science (continued)

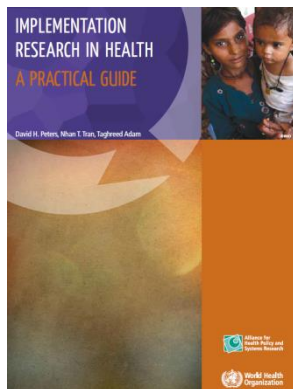
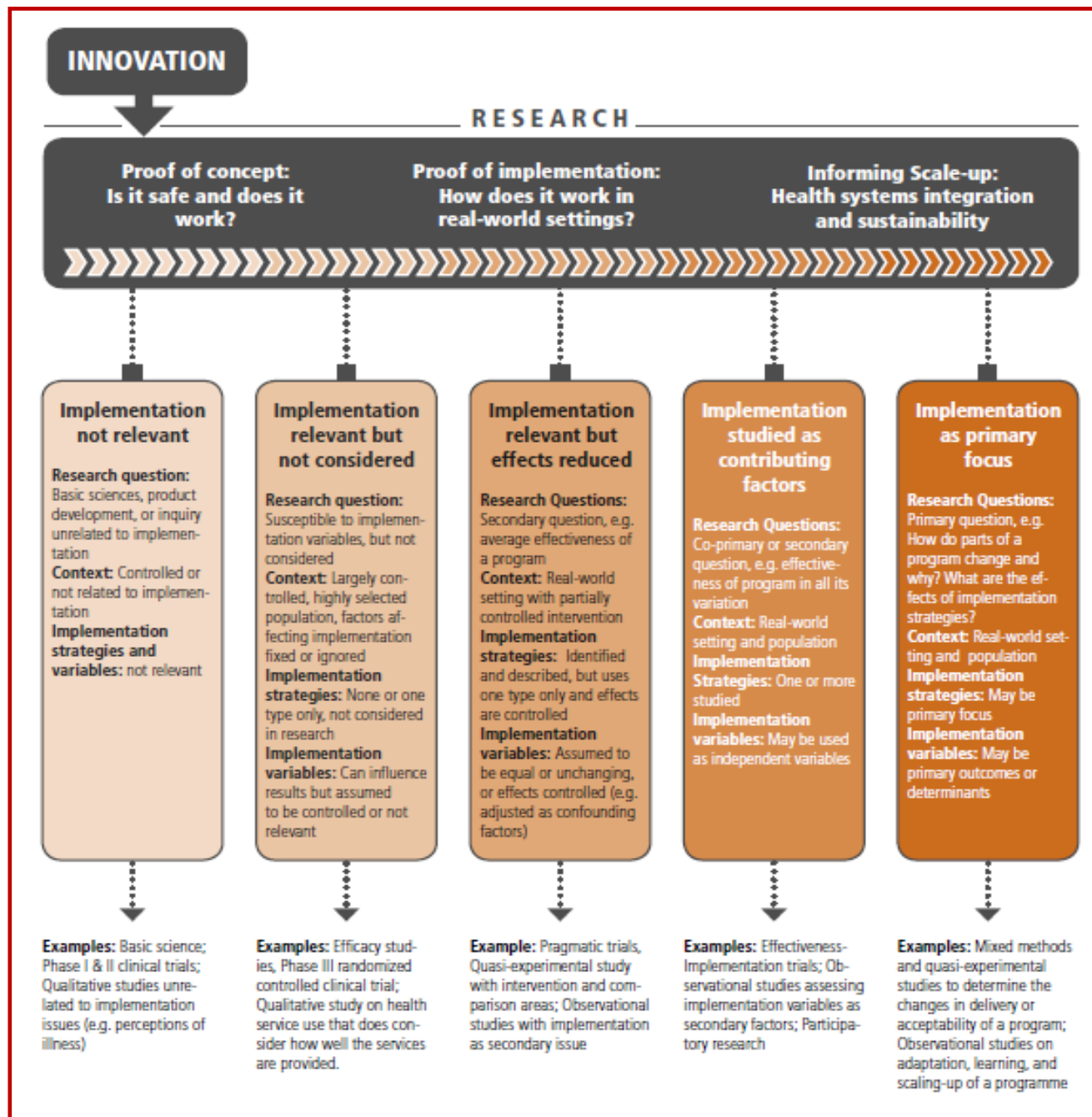
- Research on implementation addresses the level to which health interventions can fit within real-world public health and clinical service systems
- Implementation science is the study of methods to promote the integration of research findings and evidence into healthcare policy and practice
- It seeks to understand the behaviour of healthcare professionals and other stakeholders as a key variable in the sustainable uptake, adoption, and implementation of evidence-based interventions.

[Fogarty International Center, 2013]

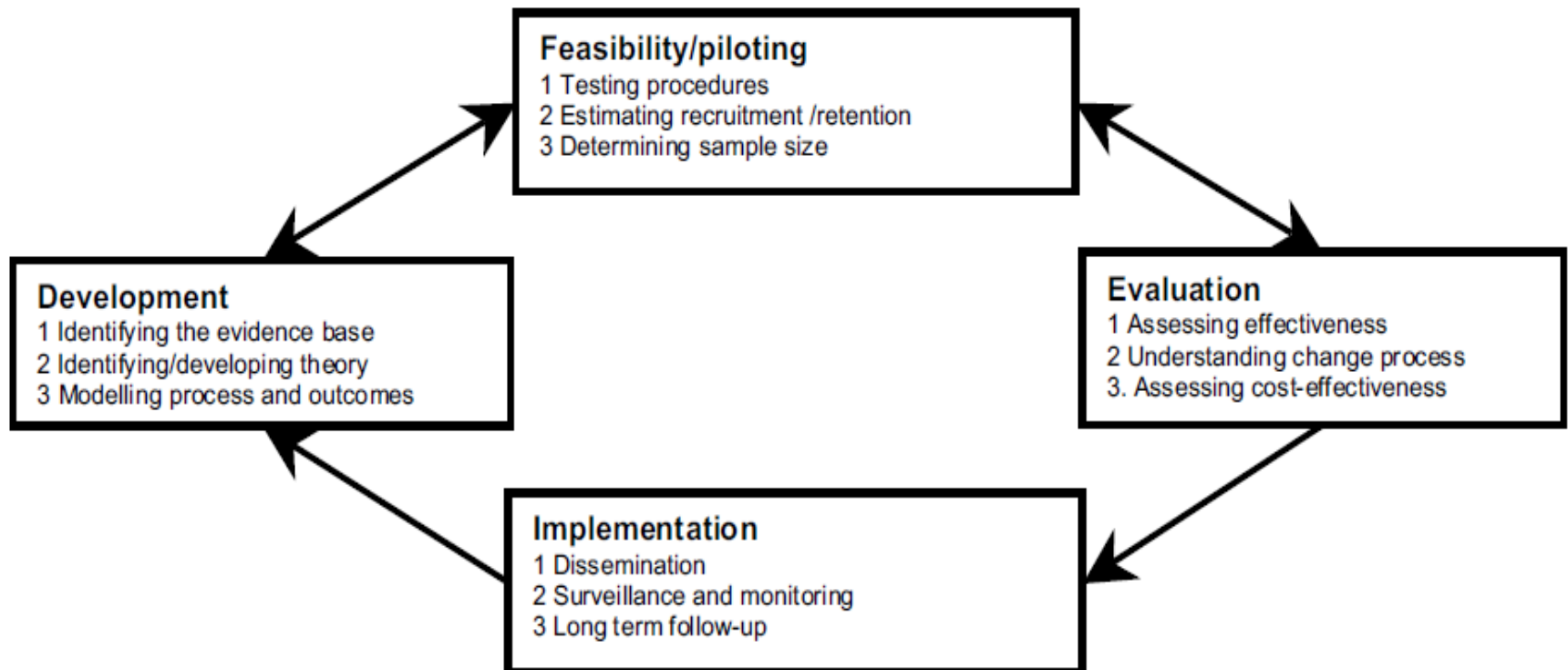
A translational science



Continuum of implementation research



Another view



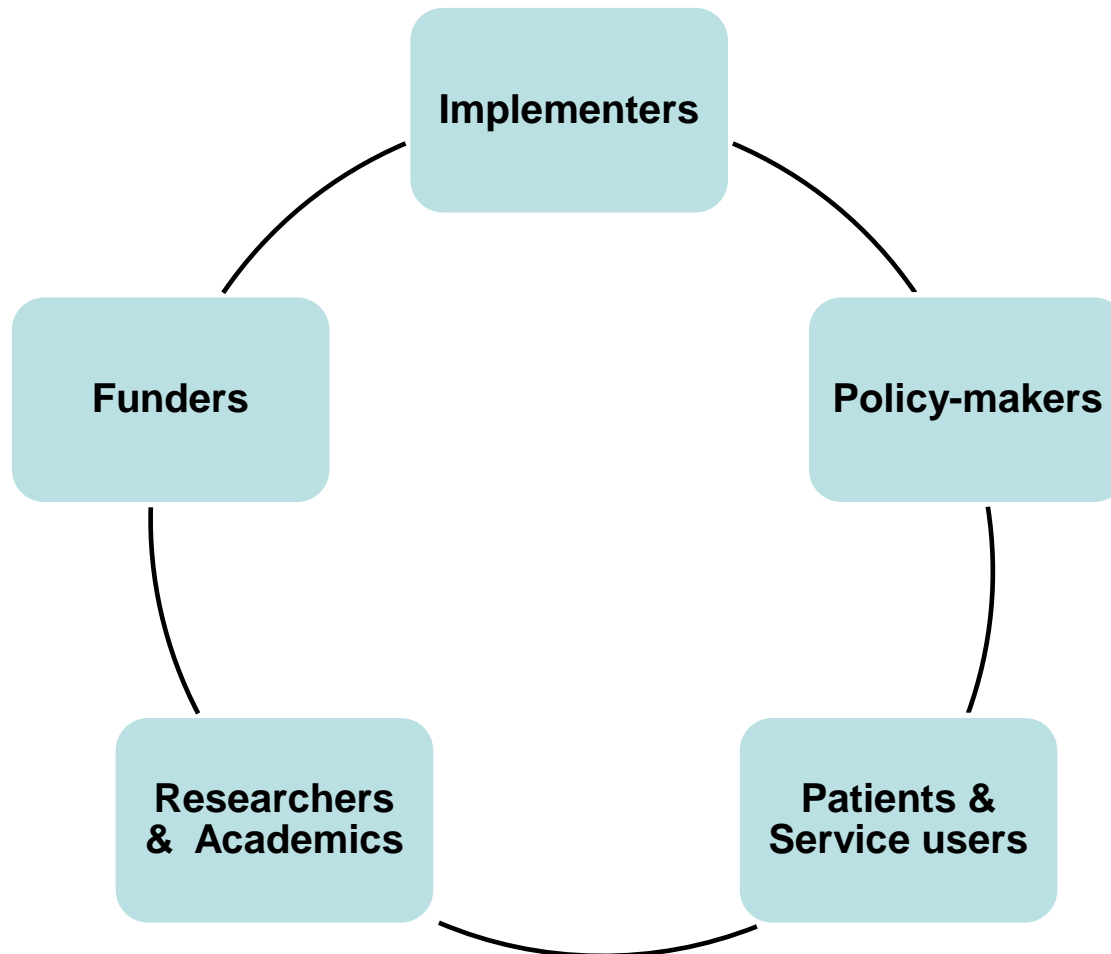
[MRC, 2008 – see also 2015 for guidance on evaluation]

Clinical vs implementation studies

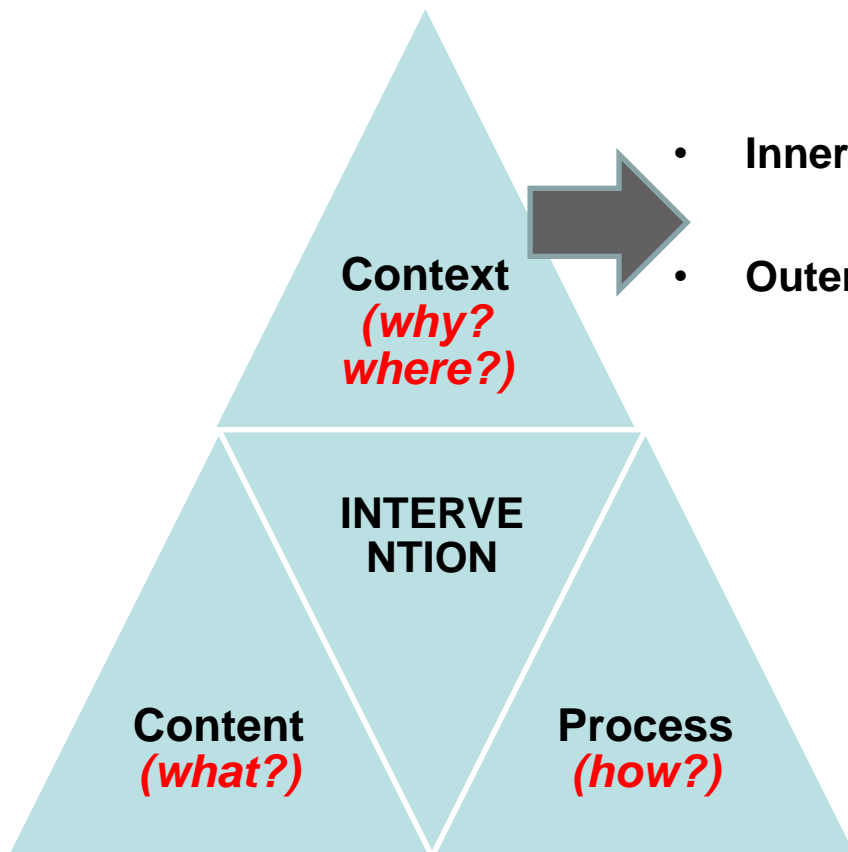
	Clinical research	Implementation research
Study aim: evaluate a ...	clinical intervention	implementation strategy
Typical interventions	drug, procedure, therapy	clinician, organisational practice change
Typical primary outcomes	symptoms, health outcomes	adoption, adherence, fidelity
Typical units of analysis, randomisation	patient	clinician, team, facility

Implementation outcome	Definition
Acceptability	Perception amongst stakeholders new intervention is agreeable
Adoption	Intention to apply or application of new intervention
Appropriateness	Perceived relevance of intervention to a setting, audience, or problem
Feasibility	Extent to which an intervention can be applied
Fidelity	Extent to which an intervention gets applied as originally designed / intended
Implementation costs	Costs of the delivery strategy, including the costs of the intervention itself
Coverage	Extend to which eligible patients/population actually receive intervention
Sustainability	Extent to which a new intervention becomes routinely available / is maintained post-introduction

Stakeholders in implementation research

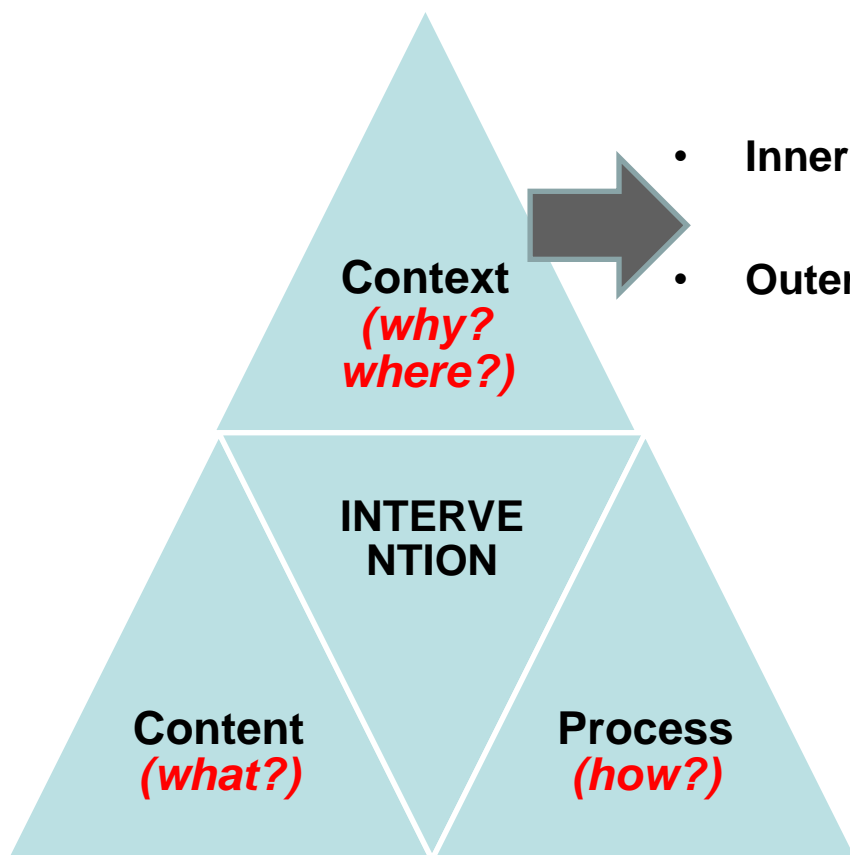


Context is king!



- **Inner context:** proximal to intervention
- **Outer context:** distal to intervention

Context is king!



- **Inner context:** proximal to intervention
- **Outer context:** distal to intervention

Analysis of context is a core
interest of implementation science

A new science = multiple views, terms, etc...

Nilsen *Implementation Science* (2015) 10:53
DOI 10.1186/s13012-015-0242-0

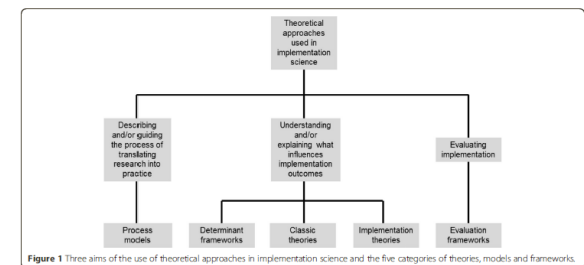


DEBATE **Open Access**

Making sense of implementation theories, models and frameworks

Per Nilsen

- 148 references



Powell *et al. Implementation Science* (2015) 10:21
DOI 10.1186/s13012-015-0209-1



RESEARCH **Open Access**

A refined compilation of implementation strategies: results from the Expert Recommendations for Implementing Change (ERIC) project

Byron J Powell^{1*}, Thomas J Waltz², Matthew J Chinman^{3,4}, Laura J Damschroder⁵, Jeffrey L Smith⁶, Monica M Matthieu^{6,7}, Enola K Proctor⁸ and JoAnn E Kirchner^{6,9}

- 73 identifiable strategies



 KING'S HEALTH PARTNERS

Guy's and St Thomas' NHS Foundation Trust
King's College Hospital NHS Foundation Trust
St George's Healthcare Trust
South London and Maudsley NHS Foundation Trust



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