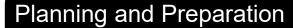






Ql as a solution in a health care system under pressure

Are we choosing wisely and doing the right things?



Working together to make change happen



Care Delivery











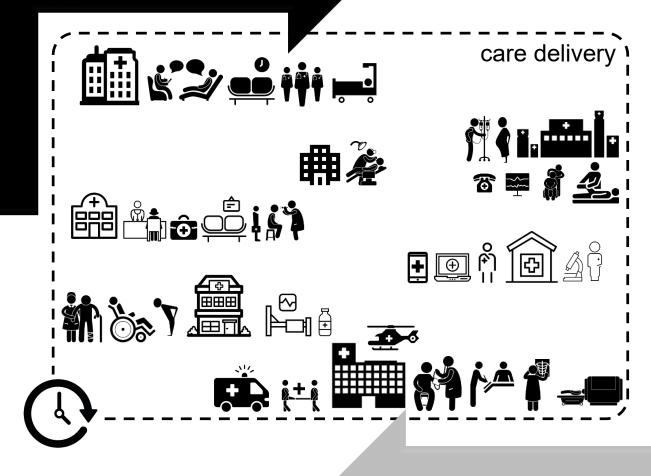


Learning and organisational memory

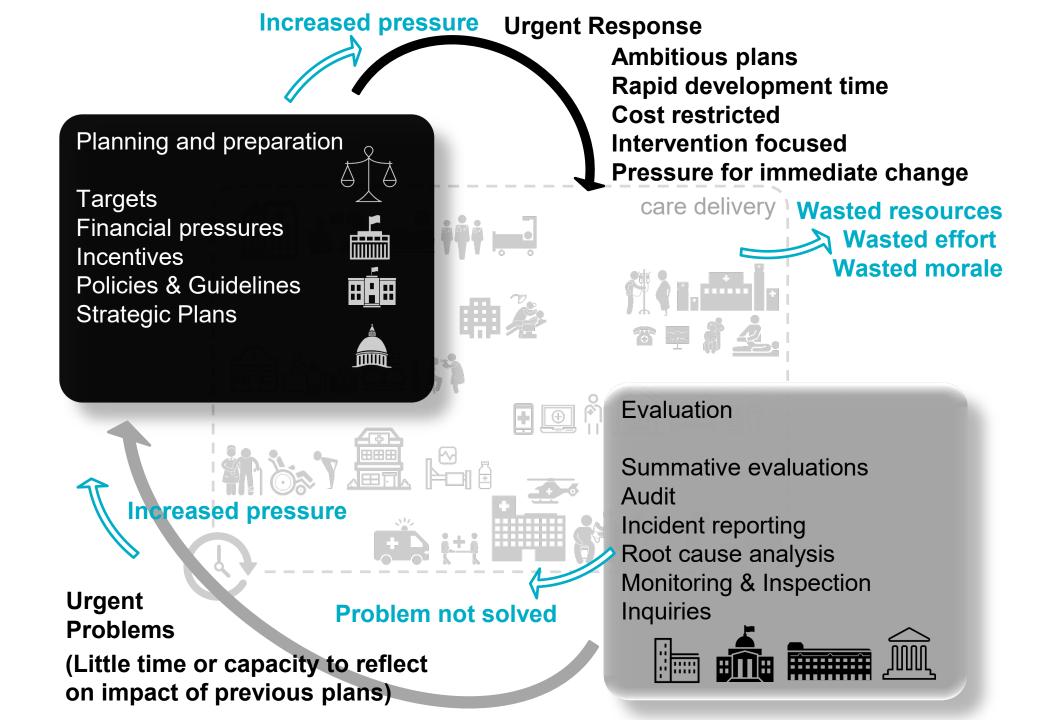
Evaluation

Delivering Improvements

Planning and Preparation



Evaluation



Is this familiar?

What is driving the problem?

How do we break the pattern?



The hunt for simple answers

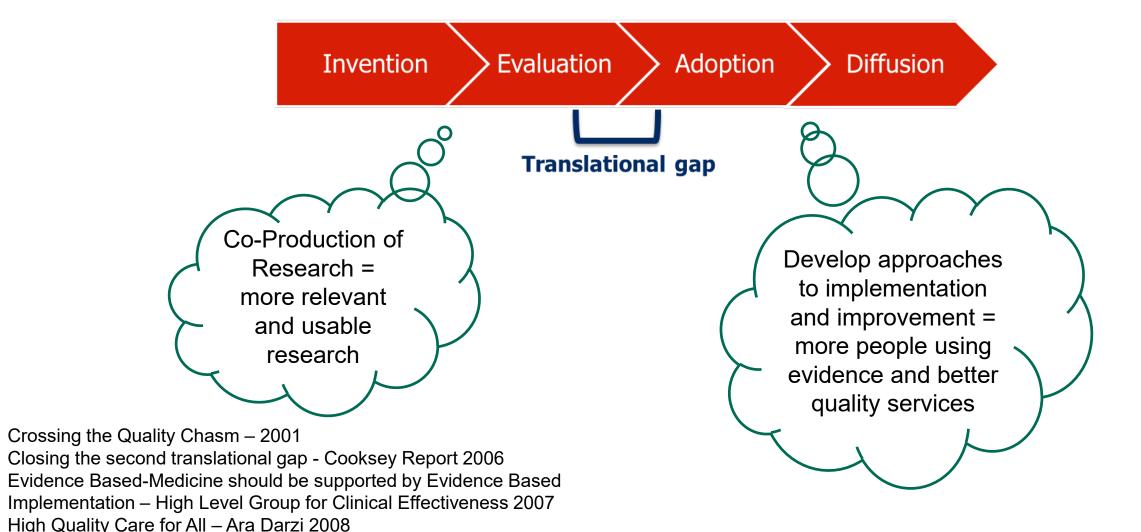
The common ground between academics and practitioners

- Knowledge can be picked up and past along
- Knowledge independent of context
- There are universal solutions
- Effortless



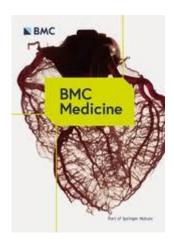


Approaches to the second translational gap



Complex social systems

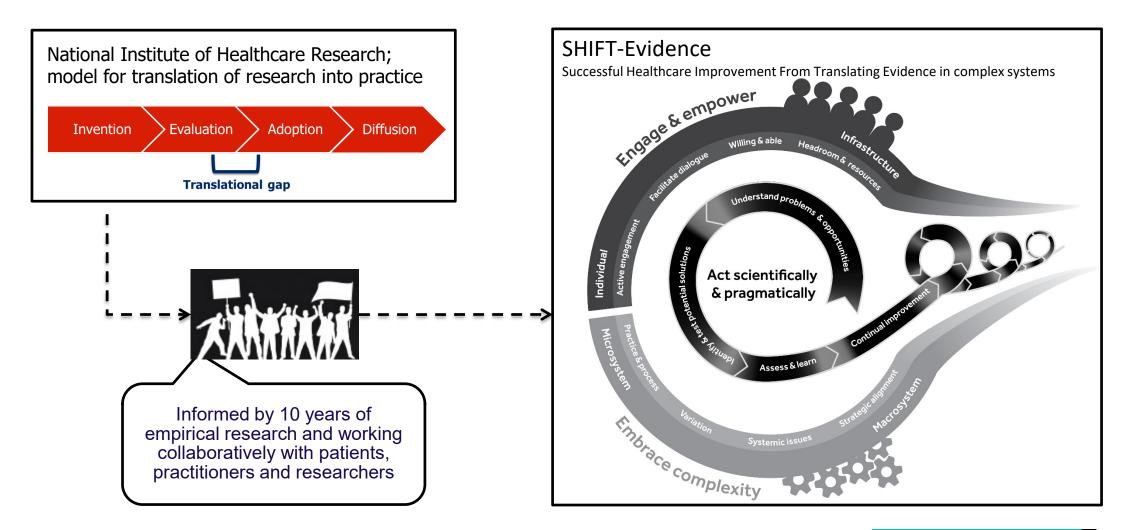
- Autonomous agents acting in parallel
- Interconnected
- Responding and reacting to each other
- Dynamic continually changing and evolving
- Influenced by historic events
- Uncertainty and surprise
- Embedded patterns, behaviours, structures and routines



SHIFT-Evidence Reed, Howe et al BMC Medicine 2018



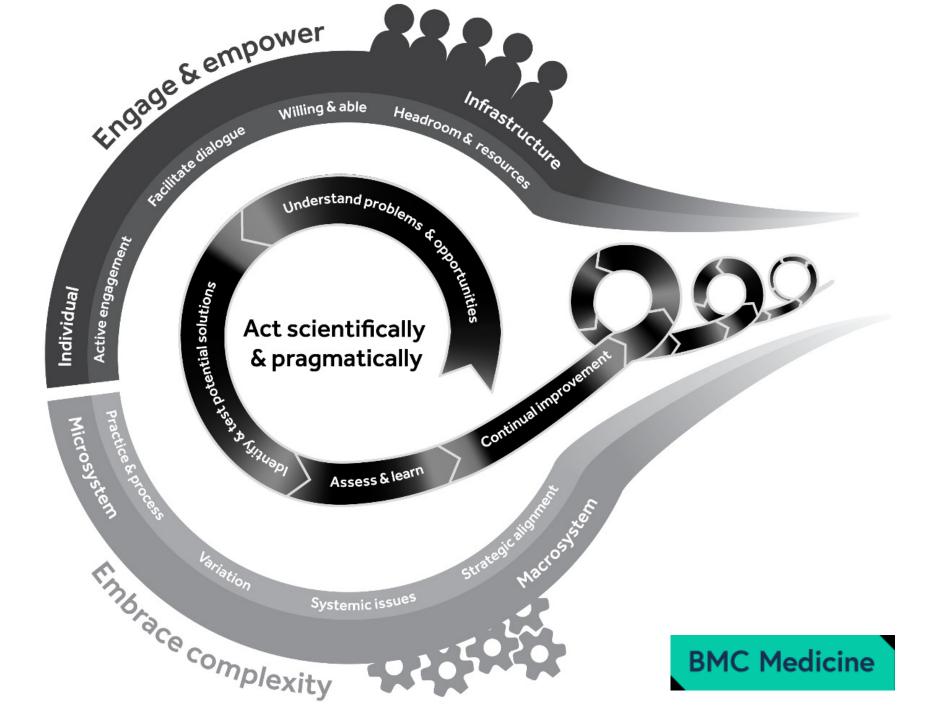
Innovator and Service Centric Models of Change





SHIFT-Evidence

Successful
Healthcare
Improvement
From
Translating
Evidence in
complex
systems



Act Scientifically and Pragmatically

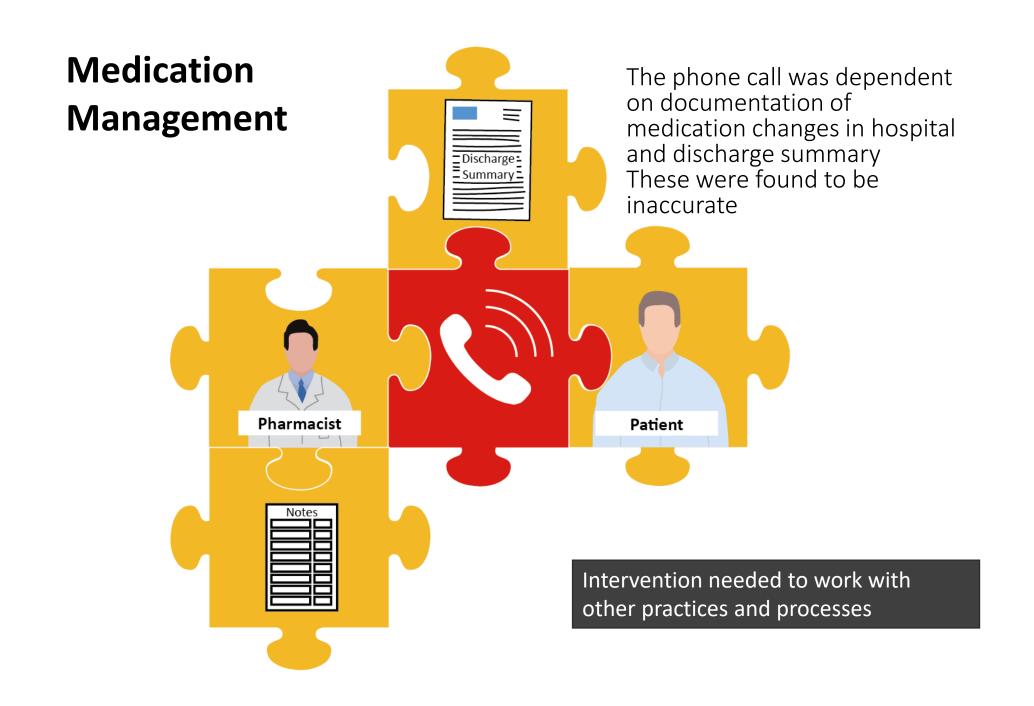
Strategic Principle	Common Challenges	Simple Rules
Act Scientifically and Pragmatically Knowledge of existing evidence needs to be combined with knowledge of the unique initial conditions of a system. Interventions need to adapt as the complex system responds and learning emerges about unpredictable effects.	Pre-selected interventions may not solve the problems of the local system	Understand the problem and opportunities
	'Evidence' and interventions need to be perceived as locally relevant and actionable	Identify, test and iteratively develop potential solutions
	Individual perceptions of system performance are unreliable	Assess whether improvement is achieved, capture and share learning
	Interventions need to be reviewed and adapted as systems evolve overtime.	Invest in continual improvement

 Patients leaving hospital with multiple medication changes





- Phone call within 72 hours to counsel on medication changes



A pharmacist, doctor, nurse and patient met to understand why the drug charts and discharge summaries were inaccurate



Pharmacist





The patient asked why they were prescribed medicines in bottles they couldn't open when they had told the physiotherapist about their arthritis

Doctor

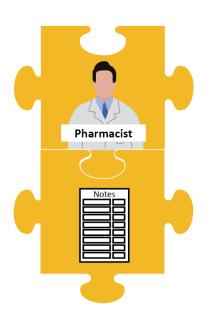
A pharmacist, doctor, nurse and patient met to understand why the drug charts and discharge summaries were inaccurate





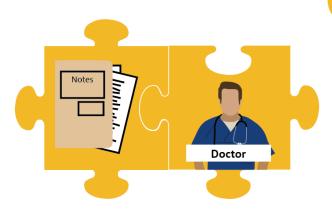
The physiotherapist hadn't been invited to the meeting





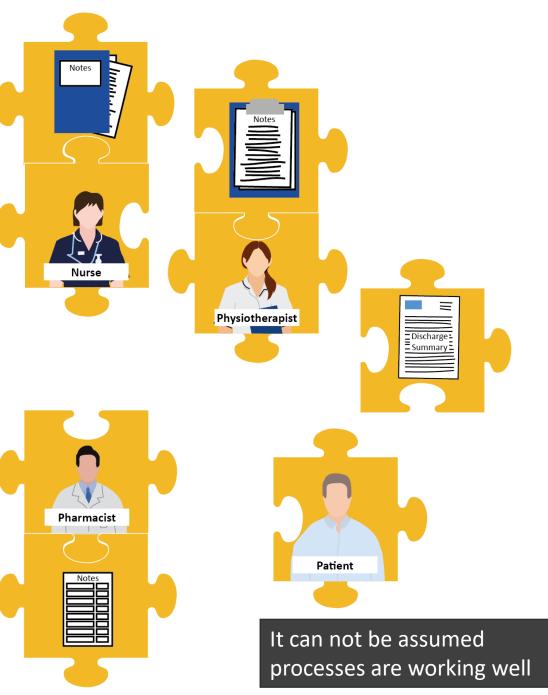


The patient asked why they were prescribed medicines in bottles they couldn't open when they had told the physiotherapist about their arthritis



The team realised that four professional groups all maintained separate documentation relating to patient medications

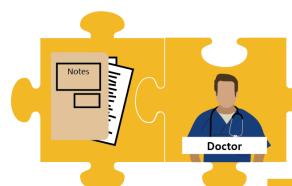
No process existed for coordinating this information





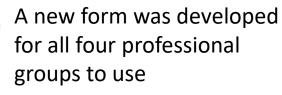
Pharmacist



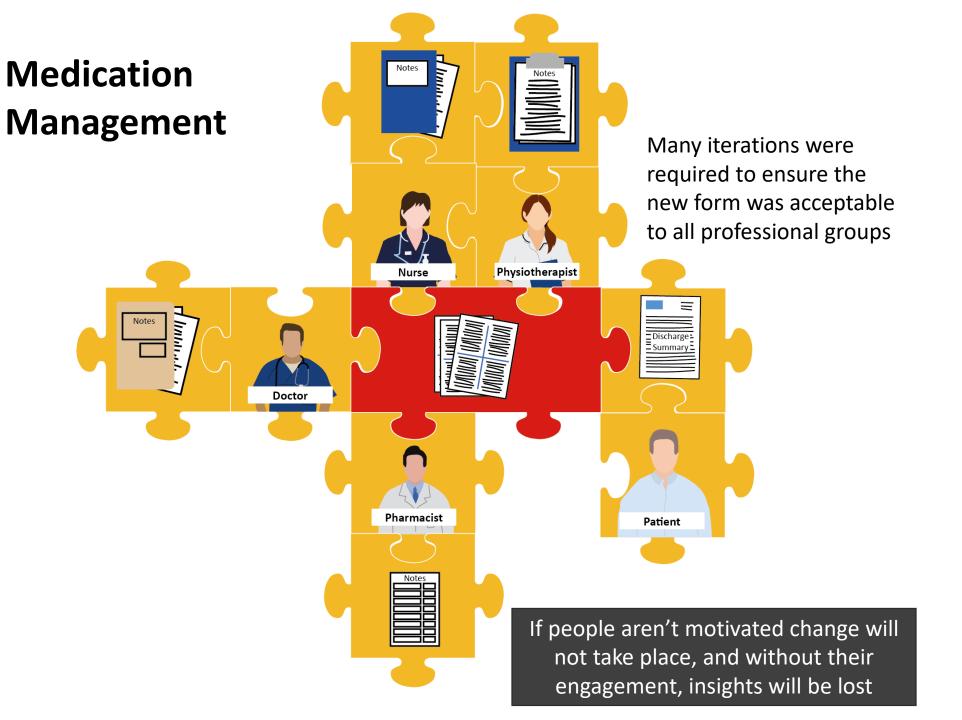


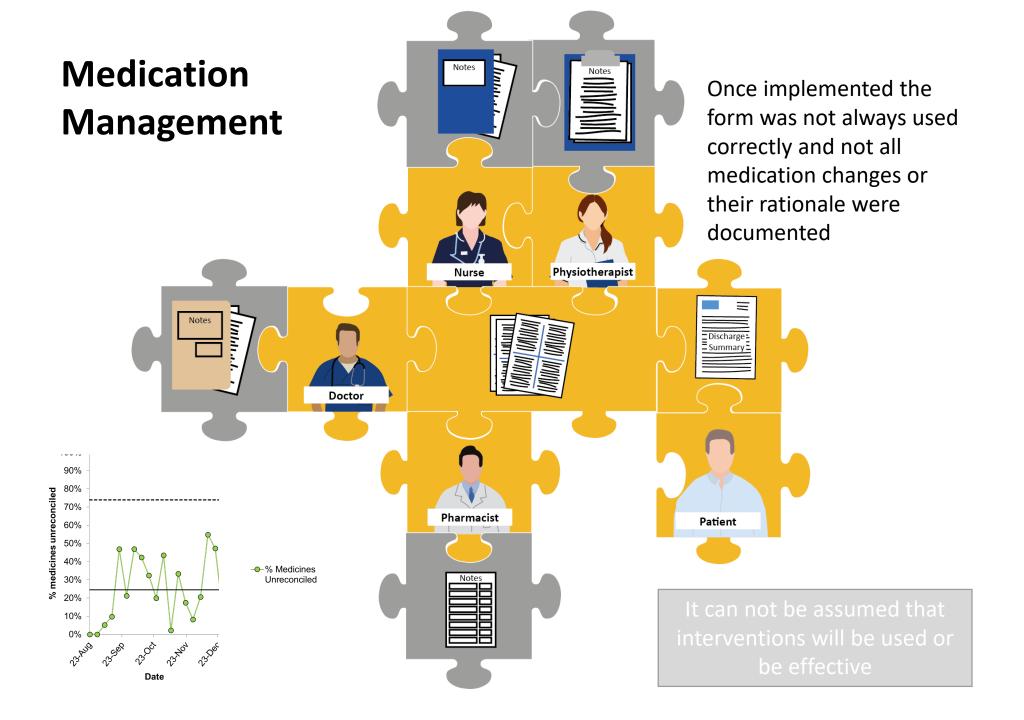








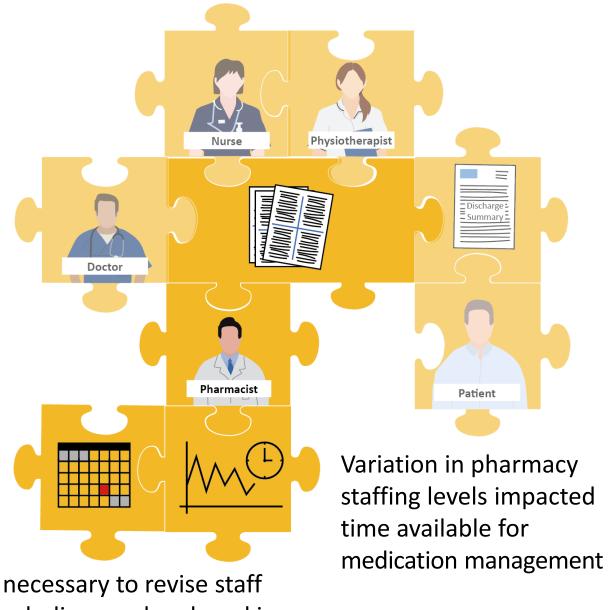




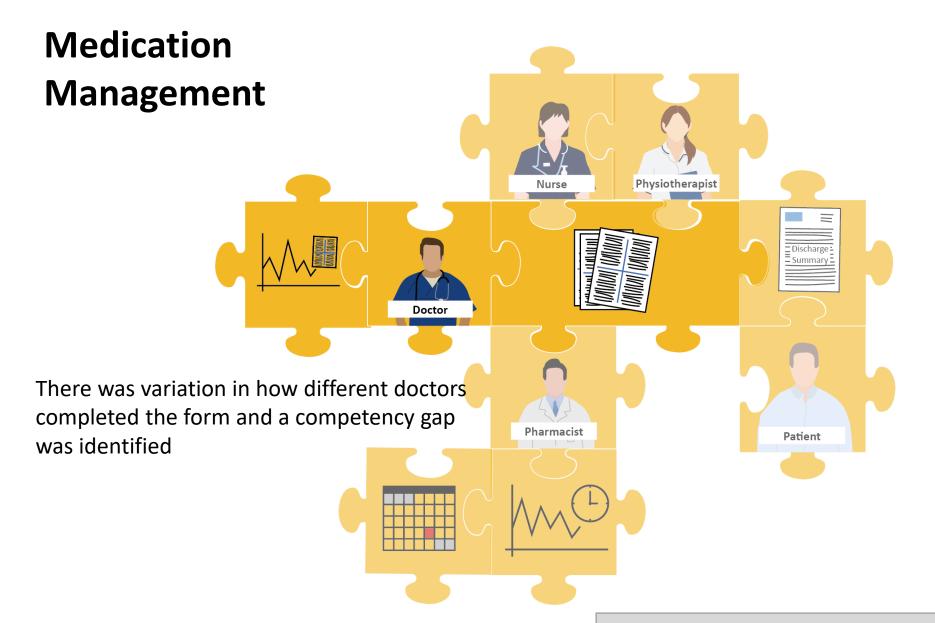
Embrace Complexity

Strategic Principle	Common Challenges	Simple Rules
Embrace Complexity Evidence-based interventions only work if related practices and processes of care within the complex system are functional. Evidence-translation efforts need to identify and address any problems with usual care, recognising this typically includes a range of interdependent parts of the system.	Interventions don't work on their own - they need to fit with practices and processes of care	Understand practices and processes of care
	There is rarely a single, standardised, way by which care is delivered	Understand types and sources of variation
	It cannot be assumed that dependent processes or systems are working well	Identify systemic issues
	Any intervention will compete for attention and resource with other initiatives or requirements	Seek political, strategic and financial alignment

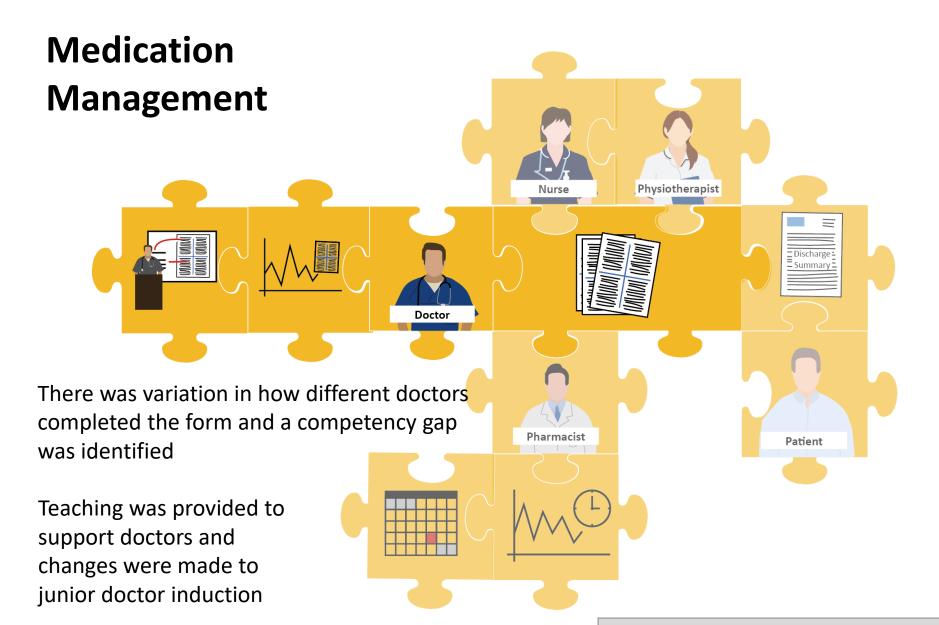




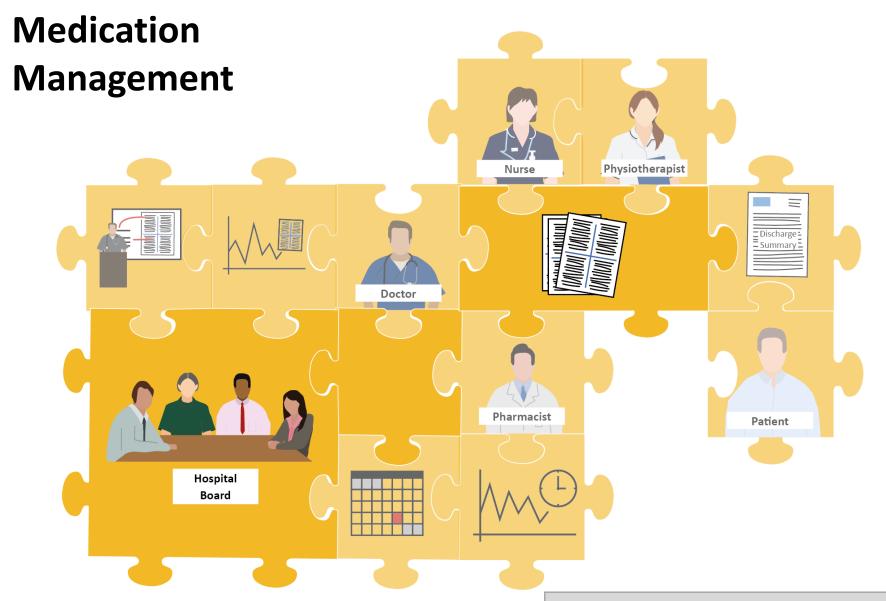
It was necessary to revise staff rotas including weekend working



Broad variation in care is pervasive

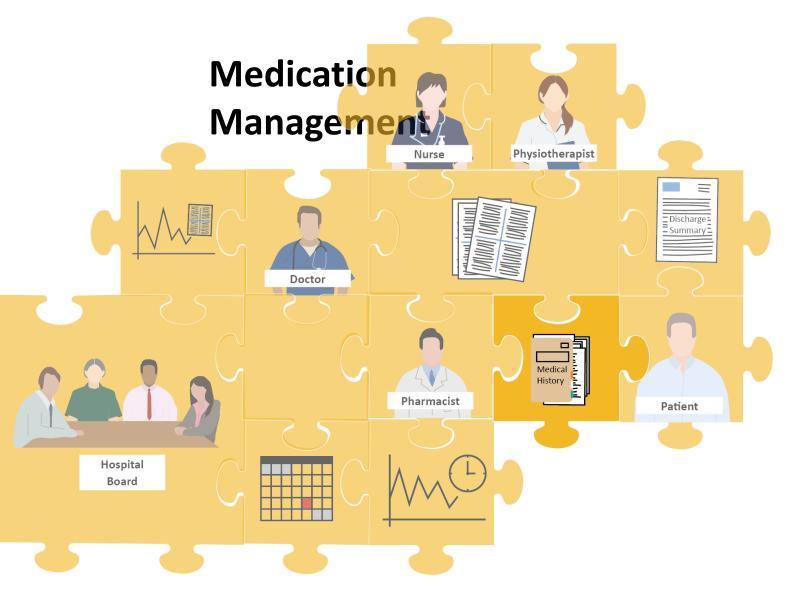


Broad variation in care is pervasive

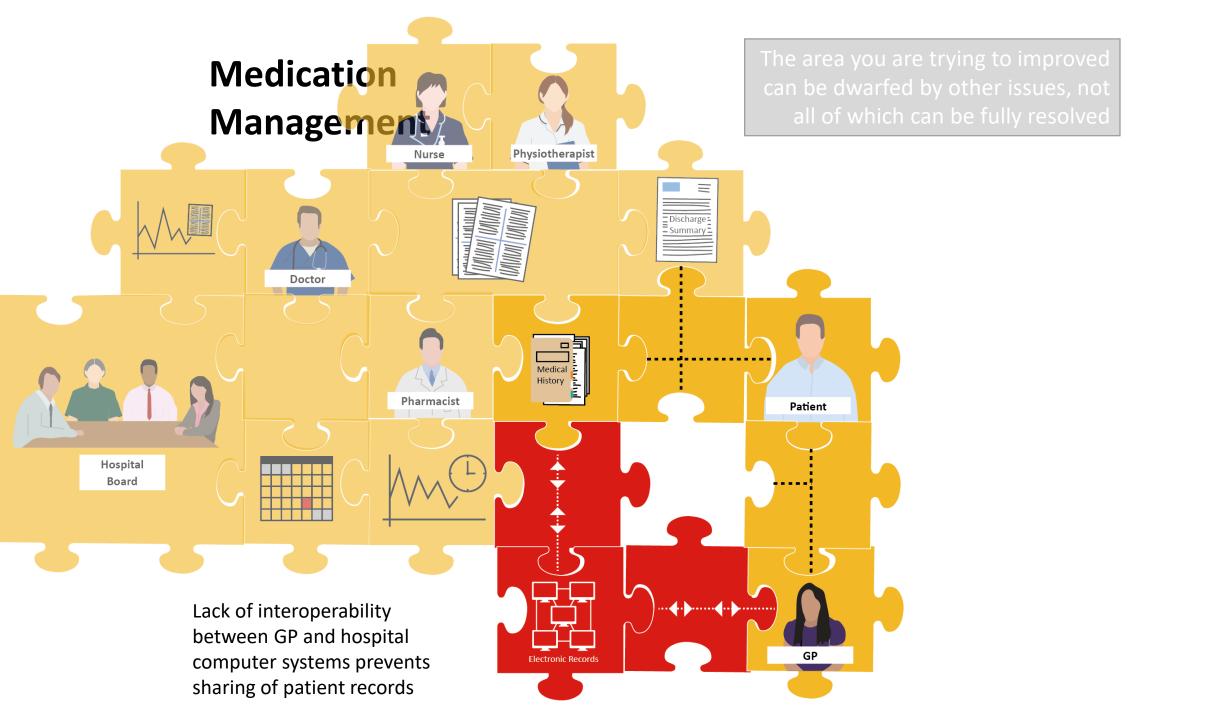


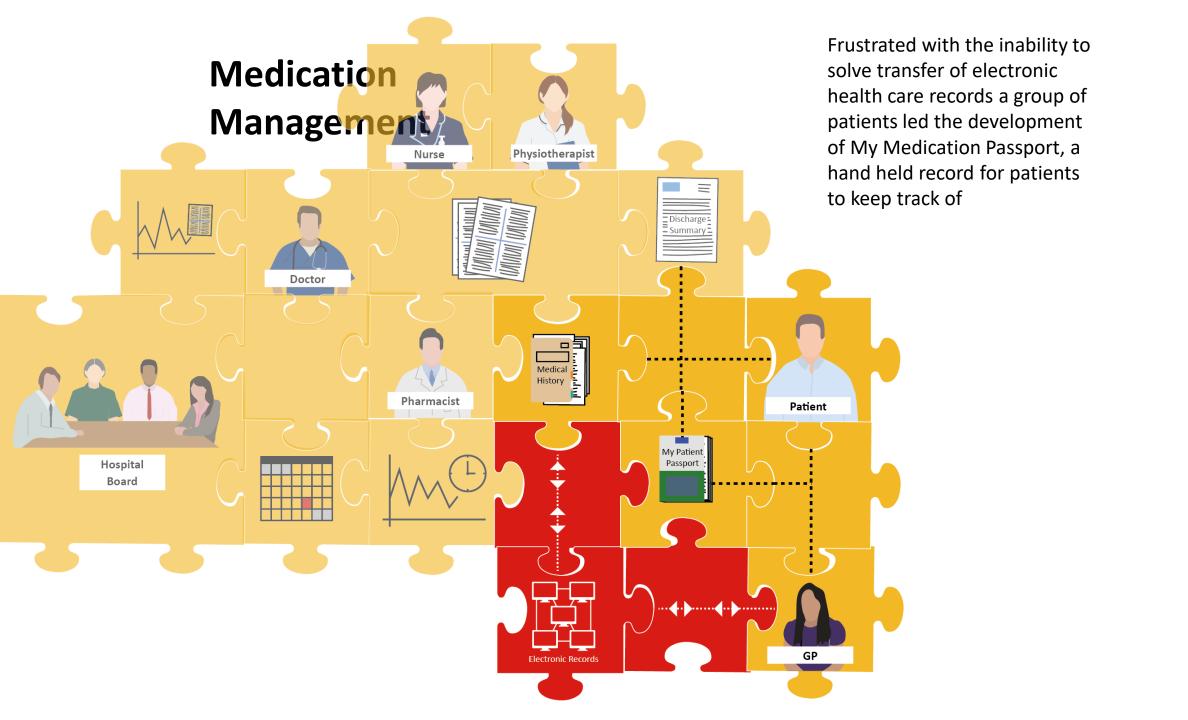
Making these changes required permission from organisational leaders

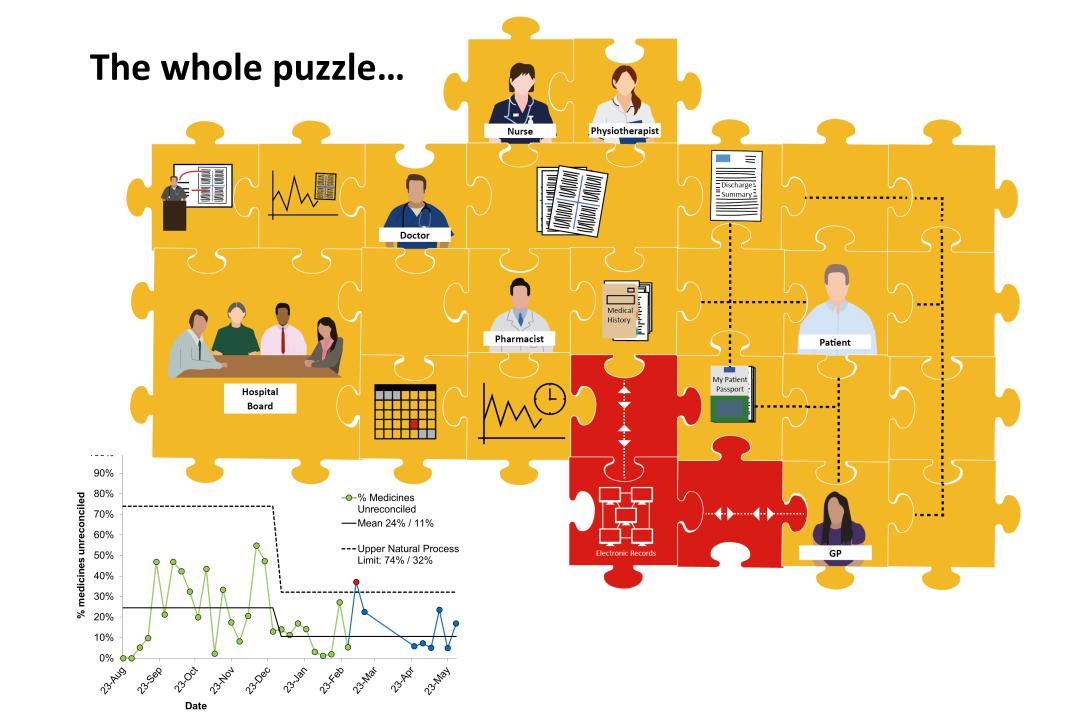
Improvement often requires organisational and financial support



There was a lack of information about a patients medication history when they arrived at hospital





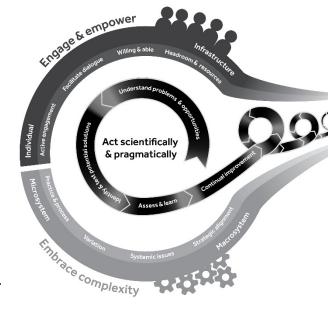


Engage and Empower

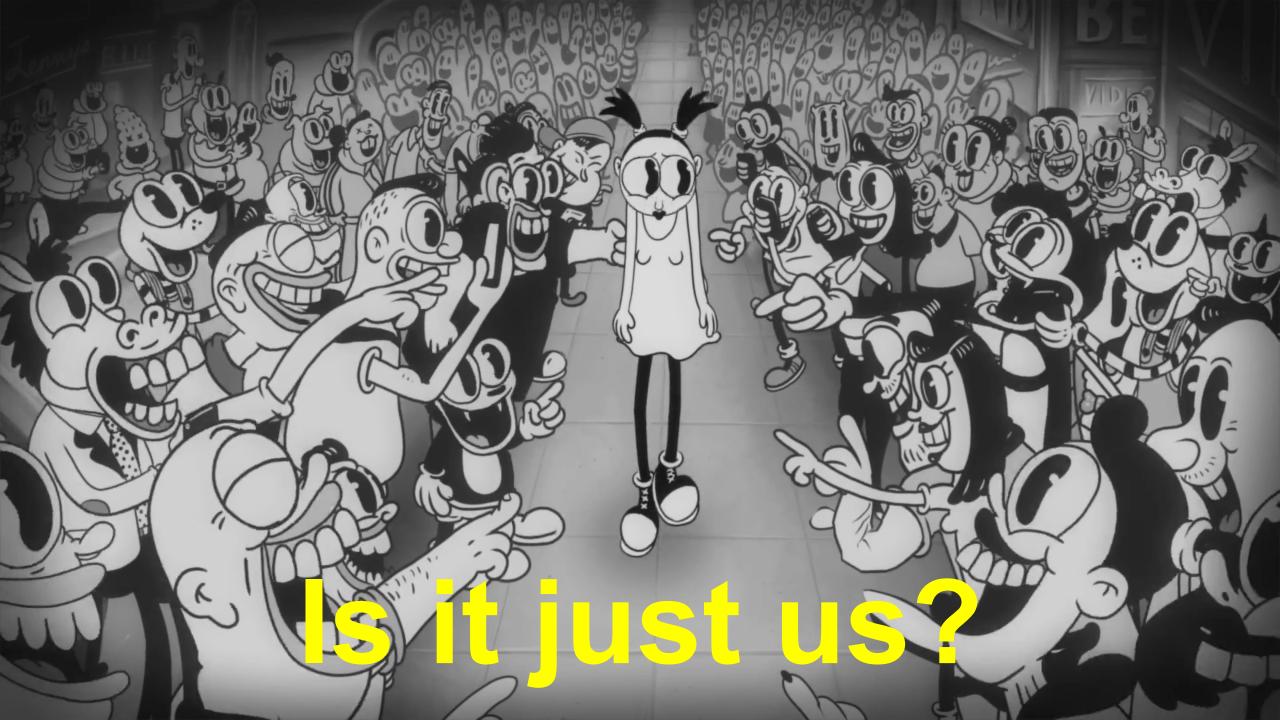
Strategic Principle	Common Challenges	Simple Rules
Engage and Empower Evidence translation and system navigation requires commitment and insights from staff and patients with experience of the local system. Changes need to align with their motivations and concerns.	If people aren't motivated change will not take place, and without their engagement, insights will be lost	Actively engage those responsible for and affected by change
	Expect conflict and tension	Facilitate dialogue
	Underlying expectations are to get it right, first time, quickly	Build a culture of willingness to learn and freedom to act
	Improving complex systems takes time, effort and reflection	Provide headroom, resources, training and support

NIHR CLAHRC Northwest London

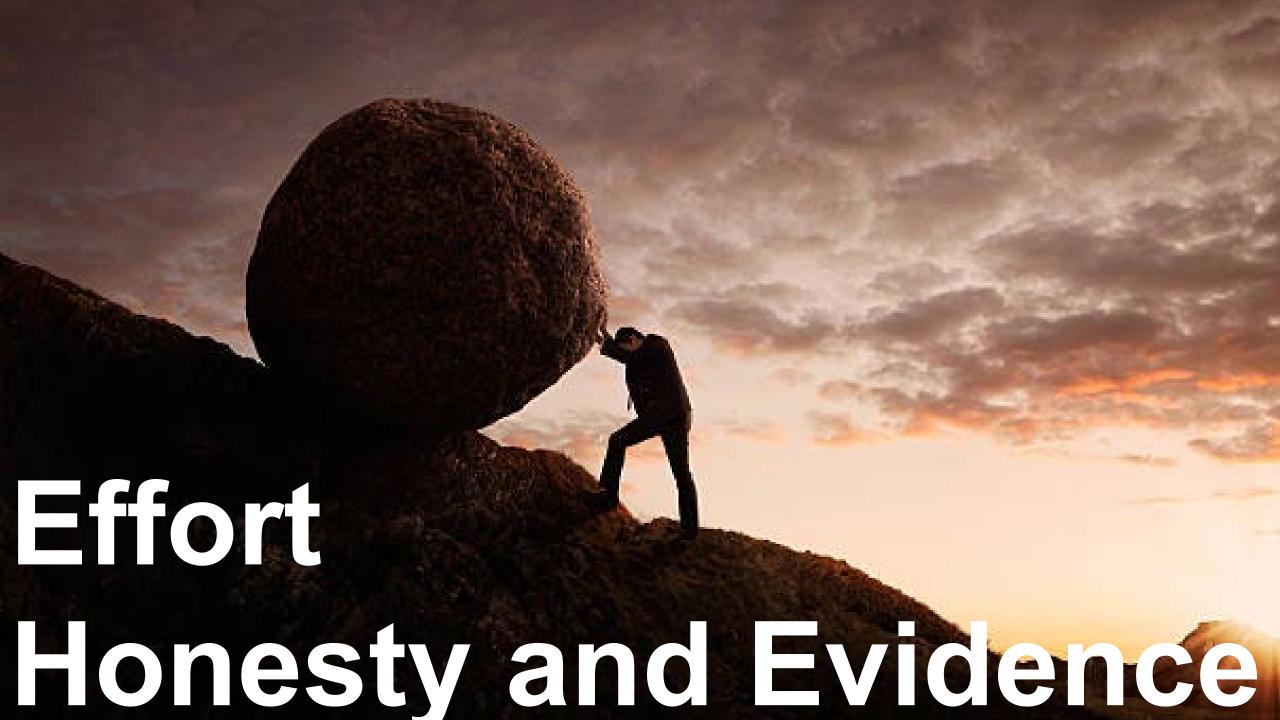




Linear model	Complex systems model
Innovator-centric	Service-centric
Intervention	Intervening
Implementation: particular innovation, evidence, policy into practice with assessment of whether goal achieved or not	Improvement; where the outcome goal is fixed, and different interventions deployed and adapted until that goal is met
"Did it work?" "What works everywhere?"	"How can we make it work here?"
Disproportional investment in planning with the expectation that if this is done well the rest will follow	Learning through doing/intervening (having humility from the outset that change ideas are likely to require modification and preparing to learn/fail and revise)
Evaluators as objective spectators	Taking shared responsibility to inform the design, delivery and evaluation of improvement





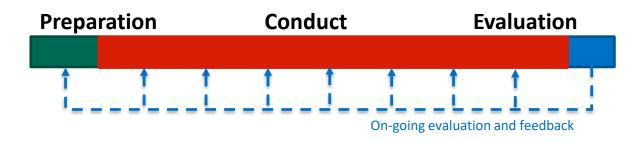


Thinking Differently About Investing Effort

Traditional policy and academic perspectives in healthcare



Shifting perspectives



Overcoming systemic denial about effort required

