



LEADERSHIP FOR IMPROVEMENT

7th Dec 2017

Dr Brian Robson MBChB, FRCGP, MPH, DRCOG

Medical Director

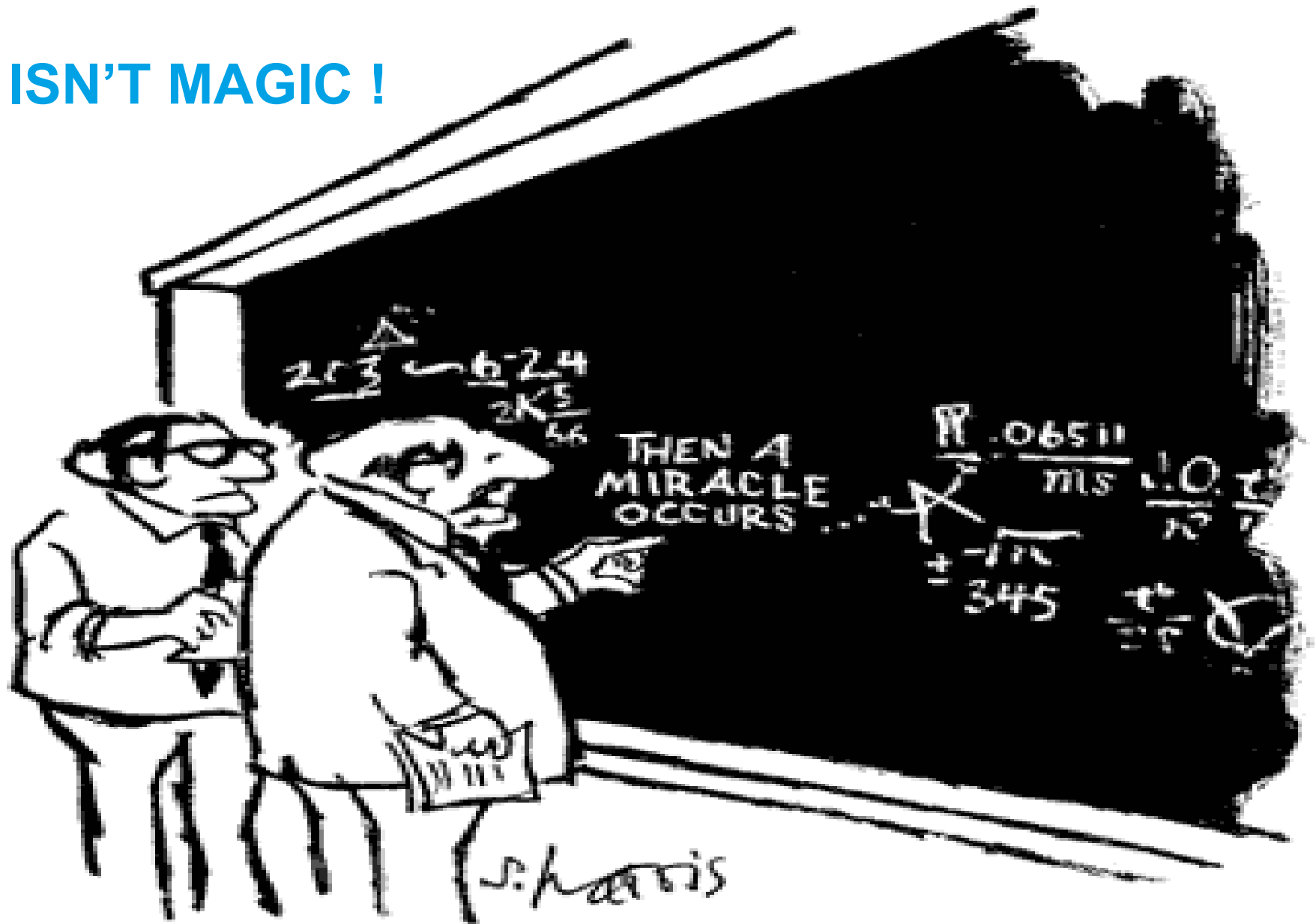
Health Foundation / IHI Quality Improvement Fellow



brian.robson@nhs.net

 @brobson3

IT ISN'T MAGIC !



"I think you should be more explicit here in step two."

THERE WILL BE

NO MIRACLES

HERE

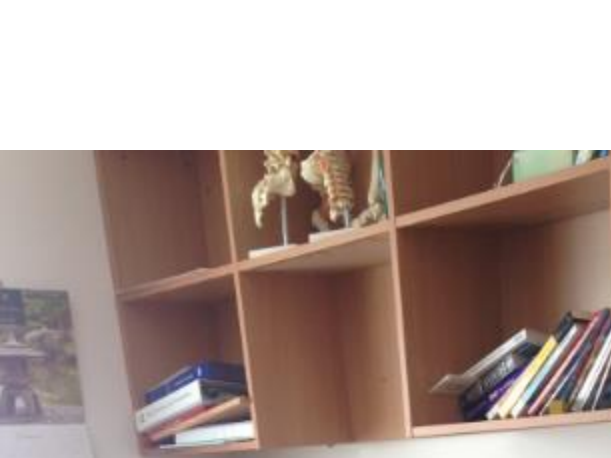
WE HAVE THE SAME PROBLEMS

*“Working together means that you should **never** worry alone.”*



Maureen Bisognano

#mhimprove



WHAT WE DO



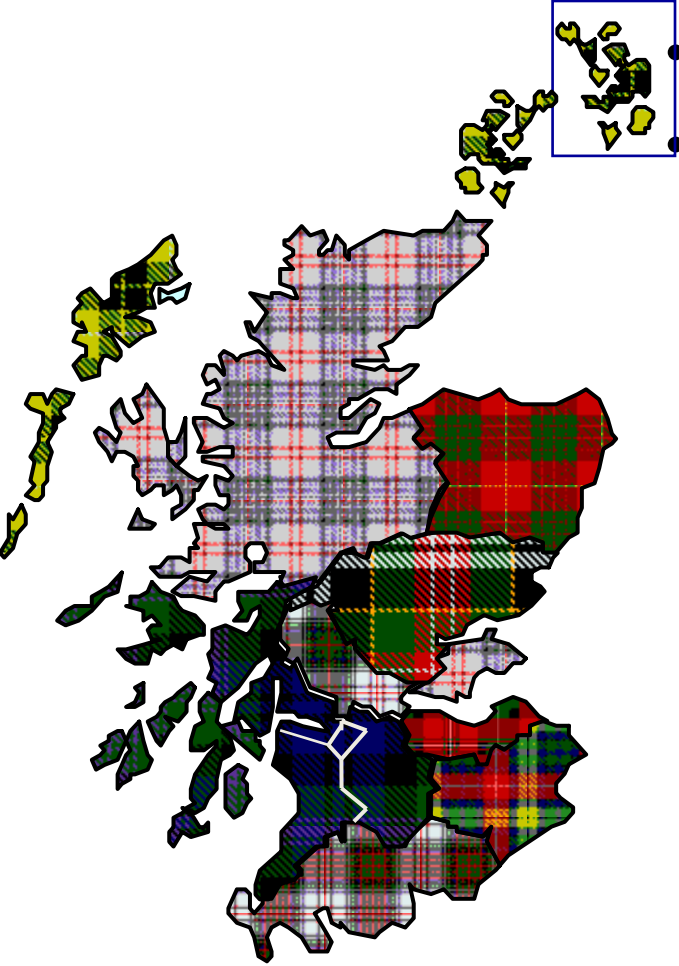
Integrated cycle of Improvement



Scottish Medicines Consortium

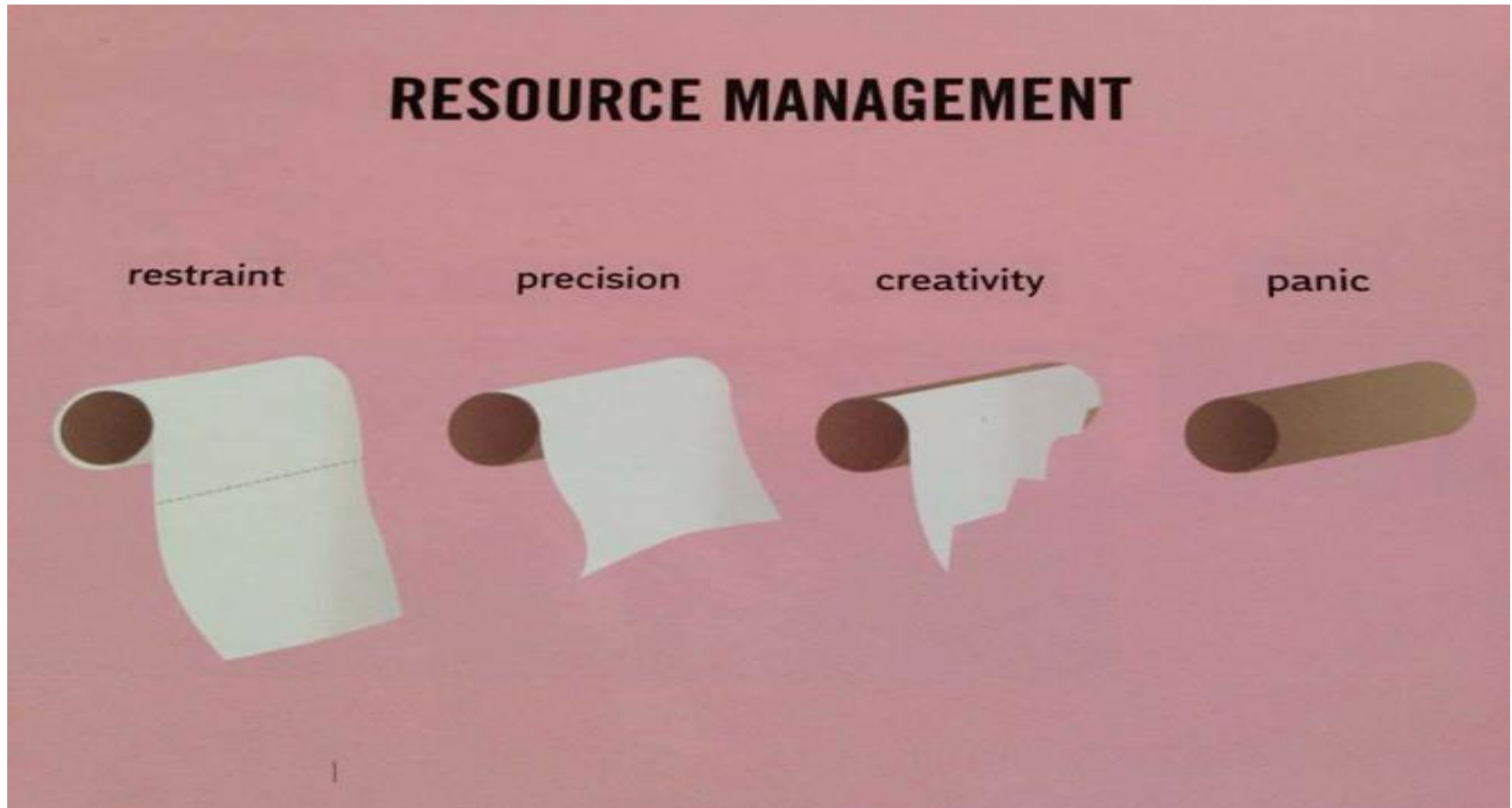
Death Certification Review Service

regulation of independent healthcare



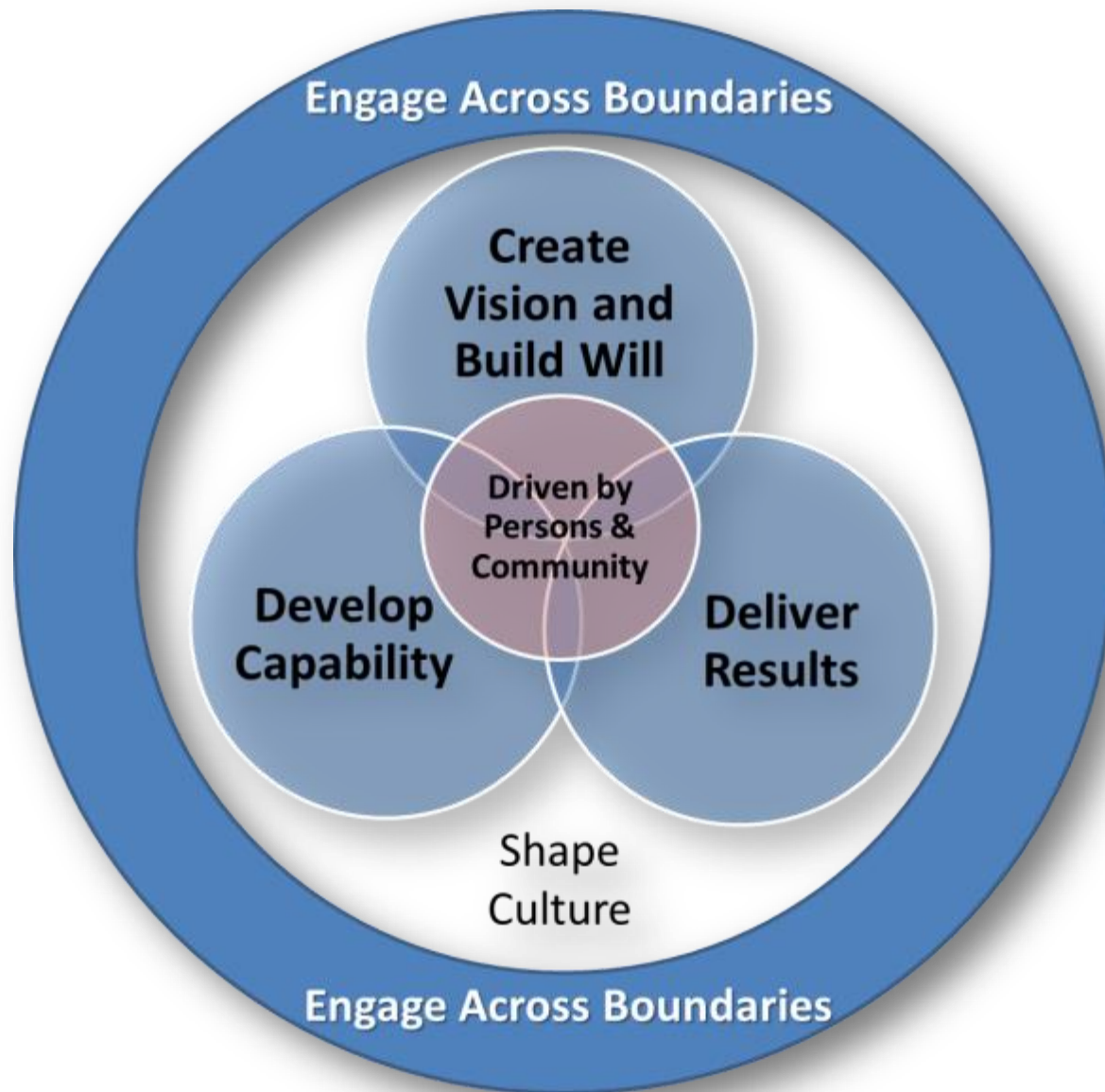
- **5.37 million population**
- **£13 billion H&SC budget**
- **14 territorial boards**
- **Special boards**
 - NHS Education for Scotland
 - NHS National Services Scotland
 - Scottish Ambulance Service
 - Golden Jubilee Foundation
 - NHS Health Scotland
 - State Hospital
 - NHS 24
- **Moving to integrated health & social care**
- **Public Body – Healthcare Improvement Scotland**

THERE IS NO MORE MONEY



#mhimprove

So what is the plan
this morning ?



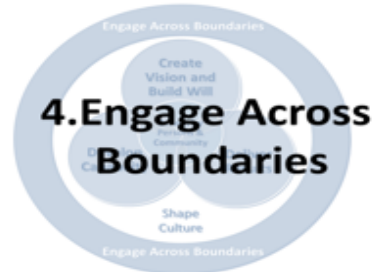
**“A clear theory is crucial....
however, theories are like toothbrushes
... everyone has one but doesn't want
someone else's!”**





Healthcare Improvement Scotland
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http://www.his.scot.nhs.uk/about-us/

	What is happening where you are?	What can you do to strengthen this?
1. Create Vision & Build Will		
2. Develop Capability		
3. Deliver Results		





	What is happening where you are?	What can you do to strengthen this?
1. Create Vision & Build Will		
2. Develop Capability		
3. Deliver Results		

Talk and scribble

4. Engage Across Boundaries		
5. Shape Culture		
6. Driven by Persons & Community		

Some general bits
first ...

NOT JUST IN ENGLAND ...

- Complex landscape
- ‘blunt end’ and ‘sharp end’
- aspiration for quality
- bright spots

But

- Lack of goal setting
- Externally focussed compliance
- “forgotten patients”
- “Structural and cultural threats to quality”
- “Poor IT systems... support ...management”

Culture and behaviour in the English National Health Service: overview of lessons from a large multimethod study

Mary Dixon-Woods,¹ Richard Baker,¹ Kathryn Charles,² Jeremy Dawson,³ Gabi Jerzembek,⁴ Graham Martin,¹ Imelda McCarthy,⁴ Lorna McKee,⁵ Joel Minion,¹ Piotr Ozieranski,⁶ Janet Willars,¹ Patricia Wilkie,⁷ Michael West⁸

¹Department of Health Sciences, University of Leicester, Leicester, UK
²Imperial College Centre for Patient Safety and Service Quality (EPSSQ), London, UK
³Institute of Work Psychology and School of Health and Related Research, University of Sheffield, Sheffield, UK
⁴Water Business School, Aston University, Birmingham, UK
⁵Health Service Research Unit, University of Aberdeen, Aberdeen, UK
⁶Department of Social and Policy Sciences, University of Bath, Bath, UK
⁷National Association for Patient Participation, Solihull, UK
⁸University of Manchester, Manchester, UK

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Received 3 March 2013
Revised 16 July 2013
Accepted 17 July 2013

To cite: Dixon-Woods M, Baker R, Charles K, et al. 2013. doi:10.1136/bmjqs-2013-001947
First published online 19 March 2013
http://dx.doi.org/10.1136/bmjqs-2013-001947

ABSTRACT
Background Problems of quality and safety persist in health systems worldwide. We conducted a large research programme to examine culture and behaviour in the English National Health Service (NHS).
Methods Mixed-methods study involving collection and triangulation of data from multiple sources, including interviews, surveys, ethnographic case studies, board minutes and publicly available datasets. We carefully synthesised data across the studies to produce a holistic picture and in this paper present a high-level summary.
Results We found an almost universal desire to provide the best quality of care. We identified many ‘bright spots’ of excellent caring and practice and high-quality innovation across the NHS, but also considerable inconsistency.

Consistent achievement of high-quality care was challenged by unclear goals, overlapping priorities that distracted attention, and compliance-oriented business and management. The institutional and regulatory environment was populated by multiple external bodies serving different but overlapping functions. Some organisations found it difficult to obtain valid insights into the quality of the care they provided. Poor organisational and information systems sometimes left staff struggling to deliver care effectively and disempowered them from initiating improvement. Good staff support and management were also highly variable, though they were fundamental to culture and were directly related to patient experience, safety and quality of care.
Conclusions Our results highlight the importance of clear, challenging goals for

high-quality care. Organisations need to put the patient at the centre of all they do, get smart intelligence, focus on improving organisational systems, and nurture caring cultures by ensuring that staff feel valued, respected, engaged and supported.

INTRODUCTION
A commitment to delivering high-quality, safe healthcare has been a policy goal of governments worldwide for more than a decade, but progress in delivering on these aspirations has been modest: patients everywhere continue to suffer avoidable harm and substandard care.^{1–3} England’s National Health Service (NHS) has not been immune to these problems. Despite some encouraging evidence of improvement in quality and safety,^{4–6} large and inexplicable variations in quality of care are evident across multiple domains and sectors of healthcare, from primary through to community and secondary care.^{7–9} England has also seen a number of high-profile scandals involving egregious failings in the quality and safety of individual providers. These include the case of Mid Staffordshire NHS Foundation Trust,¹⁰ the subject of a recently published public inquiry by Sir Robert Francis into how catastrophic failings in the quality and safety of care went undetected and uncorrected.⁹ Francis identified the causes of organisational degradation at Mid Staffordshire as systemic; he saw the underlying faults as institutional and cultural in character. He found significant weaknesses in NHS systems for oversight, accountability and

THE MDW ANSWERS

Box 1 Strategies for creating positive cultures

Senior leaders should:

- Continually reinforce an inspiring vision of the work of their organisations

- Promote staff health and wellbeing

- Listen to staff and encourage them to be involved in decision making, problem solving and innovation at all levels

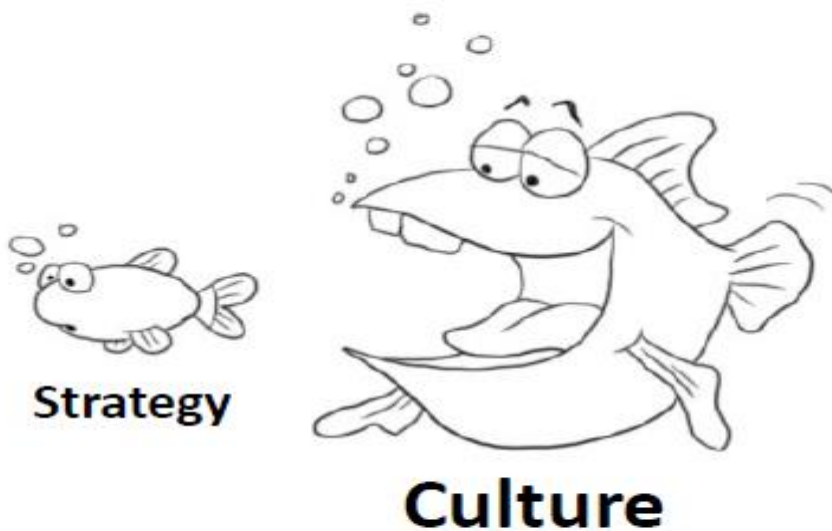
- Provide staff with helpful feedback on how they are doing and celebrate good performance

- Take effective, supportive action to address system problems and other challenges when improvement is needed

- Develop and model excellent teamwork

- Make sure that staff feel safe, supported, respected and valued at work.³⁵

SUPPORTING STRUCTURES ?



ALL TOOLS FOR IMPROVEMENT

Juran's Trilogy



Quality Planning

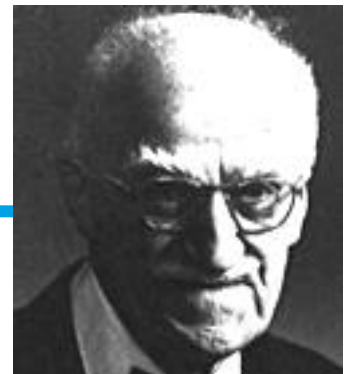
Provides a system that is capable of meeting quality standards

Quality Control

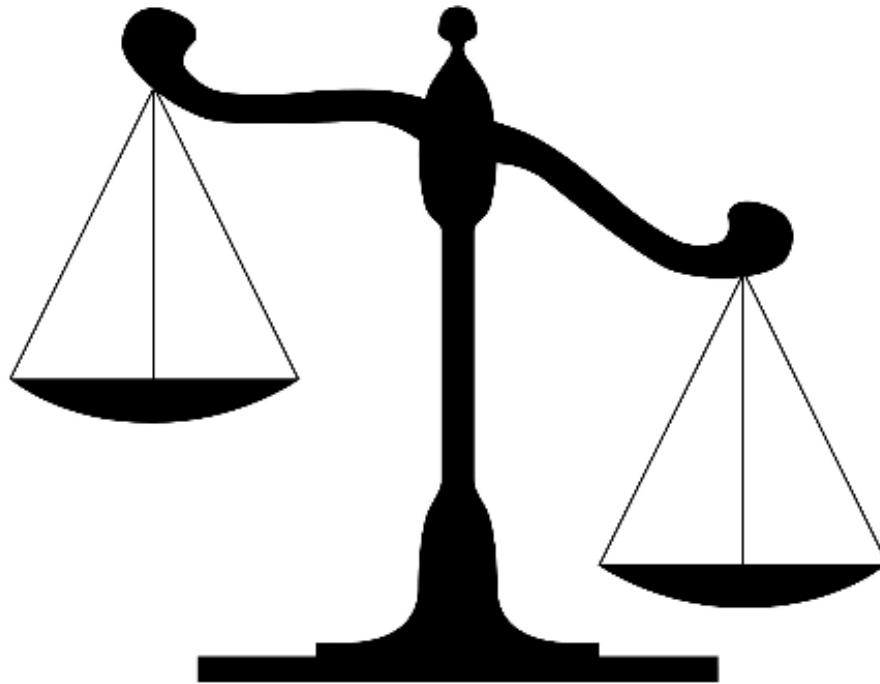
Used to determine when corrective action is required

Quality Improvement

Seeks better ways of doing things



INTERNAL OR EXTERNAL QUALITY CONTROLS?



<http://www.ihi.org/resources/Pages/Presentations/TheMoralTestBerwickForum2011Keynote.aspx>

Thoughts,
comments on the
general bits?

SCOTLAND'S QUALITY JOURNEY

'This is not the end.

*It is not even the beginning of the end,
but it is, perhaps, the end of the
beginning.'*



Sir Winston Churchill

NUFFIELD TRUST

1. Continuity and consistency
2. Intrinsic ethical and professional motivations and personal connections
3. Widespread use of small scale testing and revision
4. National scrutiny and improvement support in same organisation
5. Building QI capacity



Dayan M & Edwards N. 2017.

Learning from Scotland's NHS: Research Report. <https://www.nuffieldtrust.org.uk/files/2017-07/learning-from-scotland-s-nhs-final.pdf>

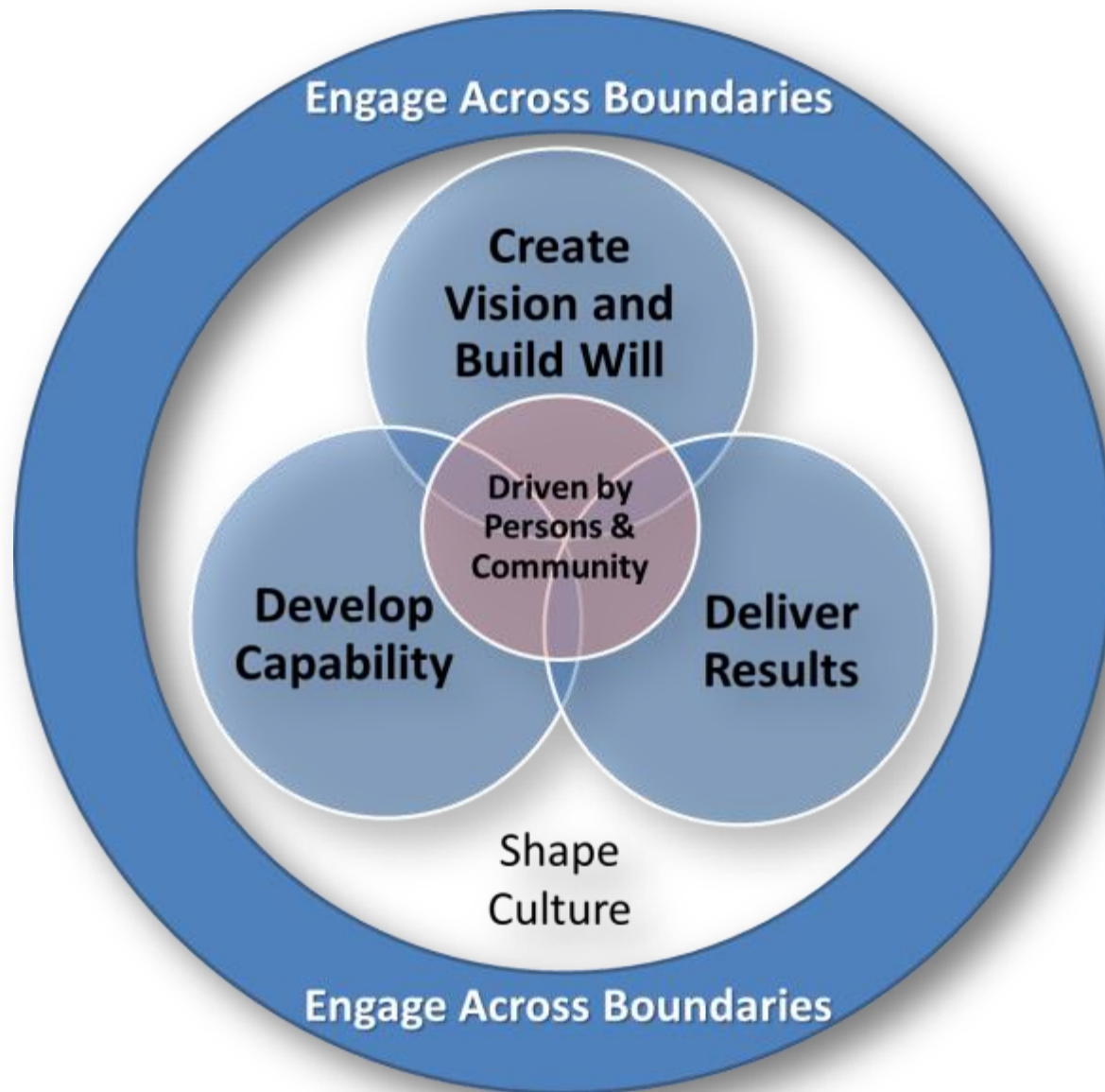
QUALITY IMPROVEMENT IS MESSY

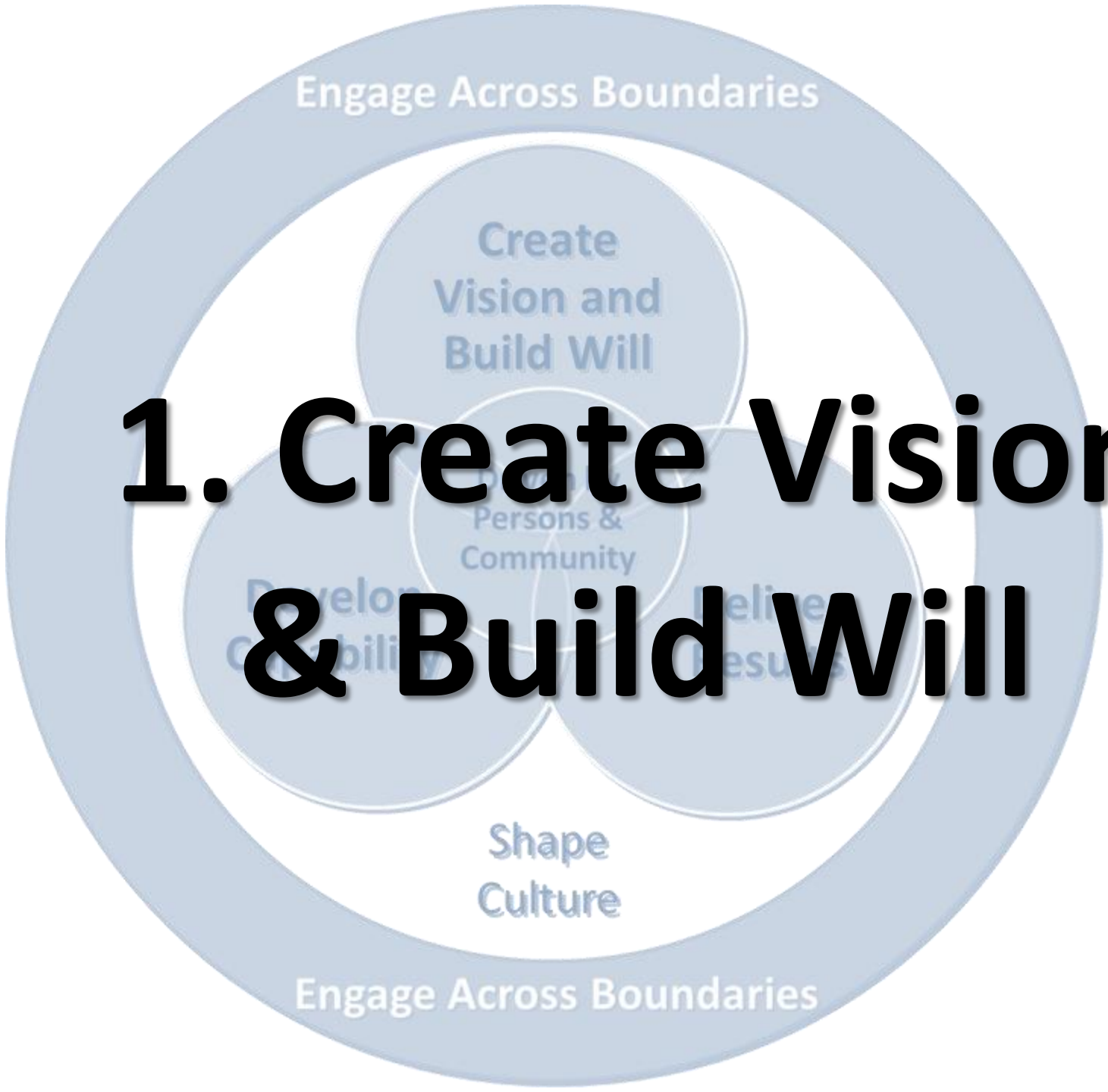


Thanks to Phil Standish (See Exodus 14)

11-24-2000

MAN, I AINT SO SURE ABOUT THIS ... THAT
LOOKS PRETTY MUDDY TO ME





1. Create Vision & Build Will

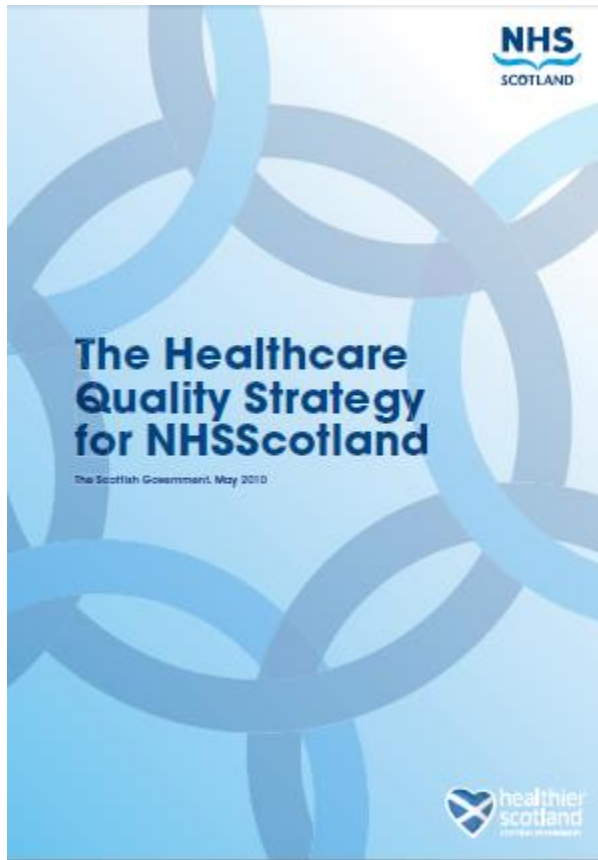
*We have had 5 decades of
clinical audit and 10 years
of clinical governance.
The future will focus on
**patient safety and
reducing harm.***



Prof Sir Graham Teasdale



NATIONAL COMMITMENT TO QUALITY

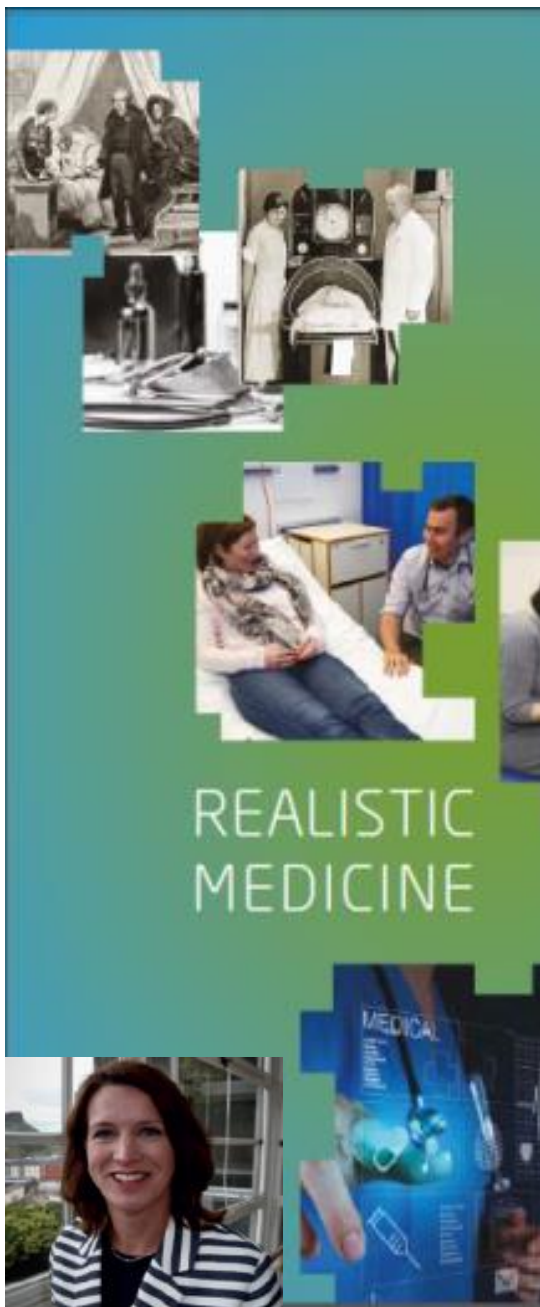


3 Quality Ambitions

- Safe care
- Effective care
- Person-centred care



<http://www.scotland.gov.uk/Resource/Doc/311667/0098354.pdf> Scottish Government, May 2010



REALISTIC
MEDICINE

REALISTIC MEDICINE

CAN WE:



CHANGE OUR STYLE TO
SHARED DECISION-MAKING?

BUILD A **PERSONALISED**
APPROACH TO CARE?



**REDUCE HARM
AND WASTE?**



REDUCE **UNNECESSARY
VARIATION** IN PRACTICE
AND OUTCOMES?

MANAGE RISK BETTER?



**BECOME IMPROVERS
AND INNOVATORS?**

Convening the co-producers



Celebrating success

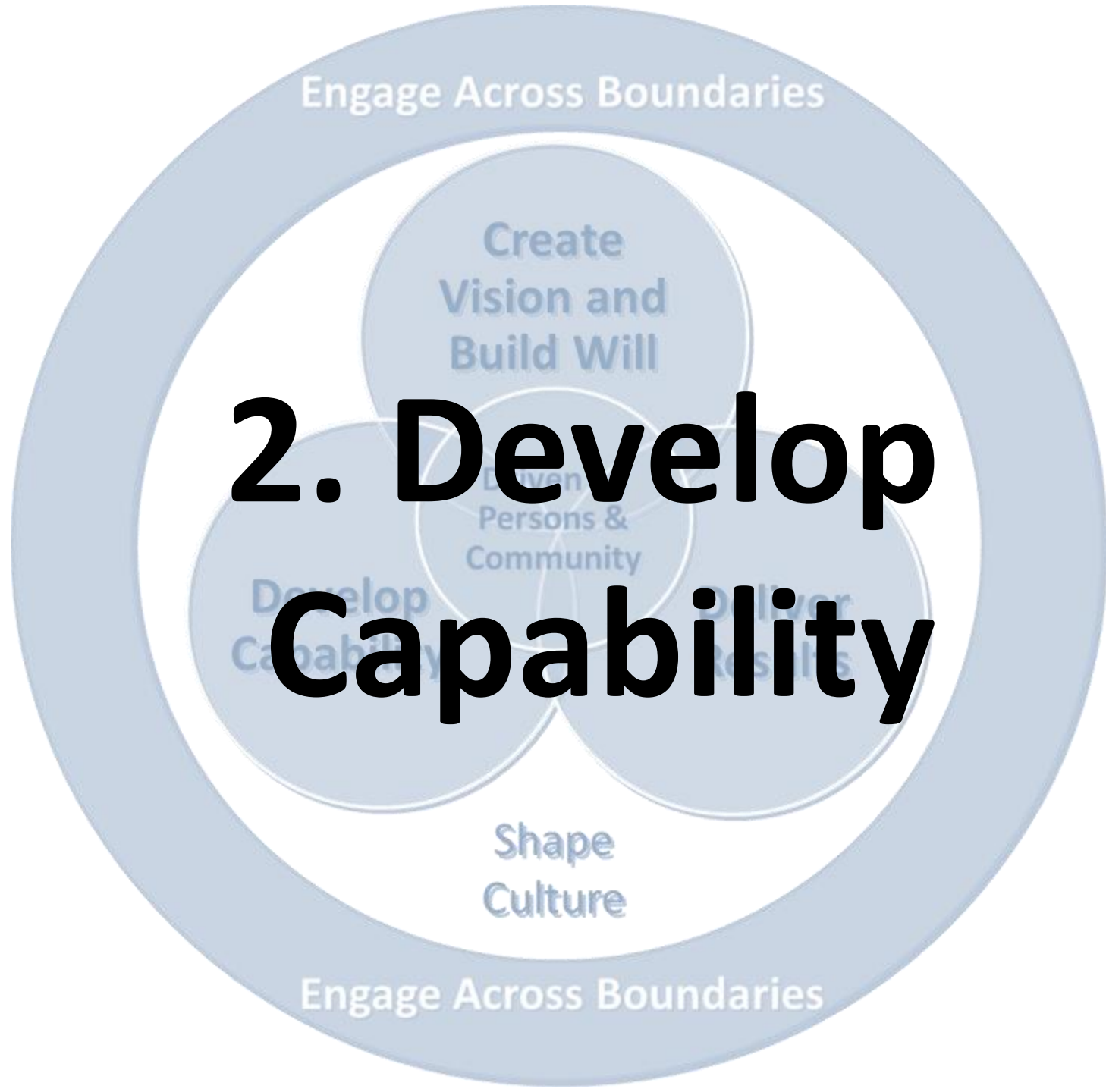




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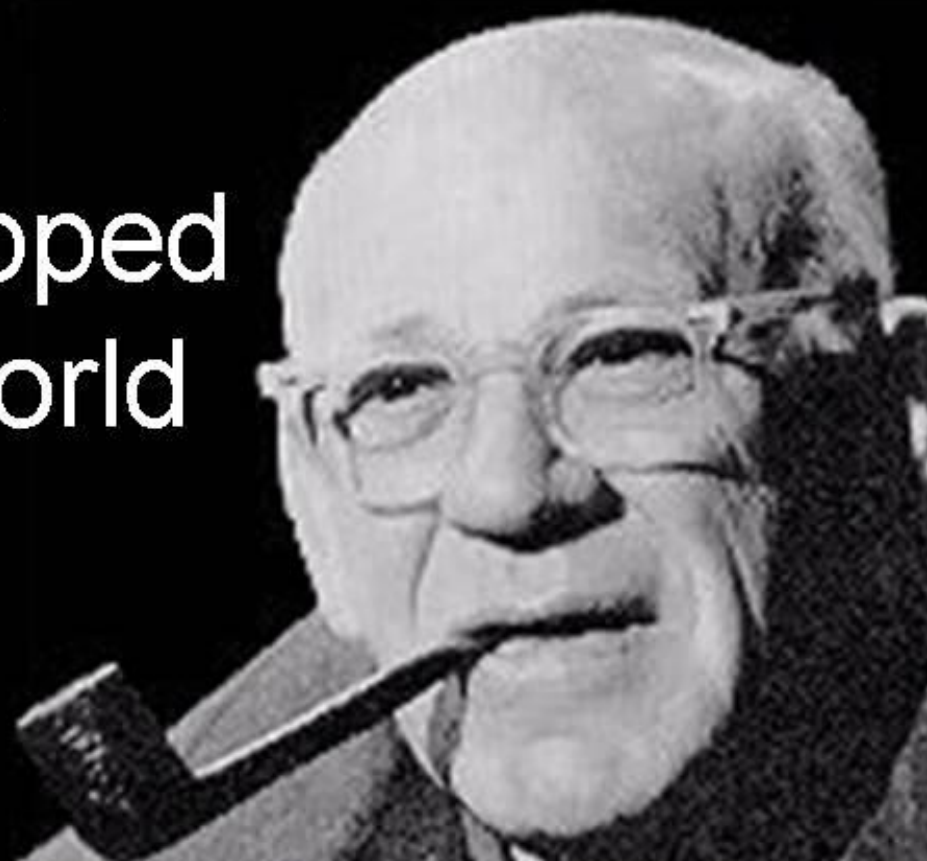
4. Engage Across Boundaries		
5. Shape Culture		
6. Driven by Persons & Community		



**In times of change, learners
inherit the Earth. . .**

while the learned
find themselves
beautifully equipped
to deal with a world
that no longer
exists.

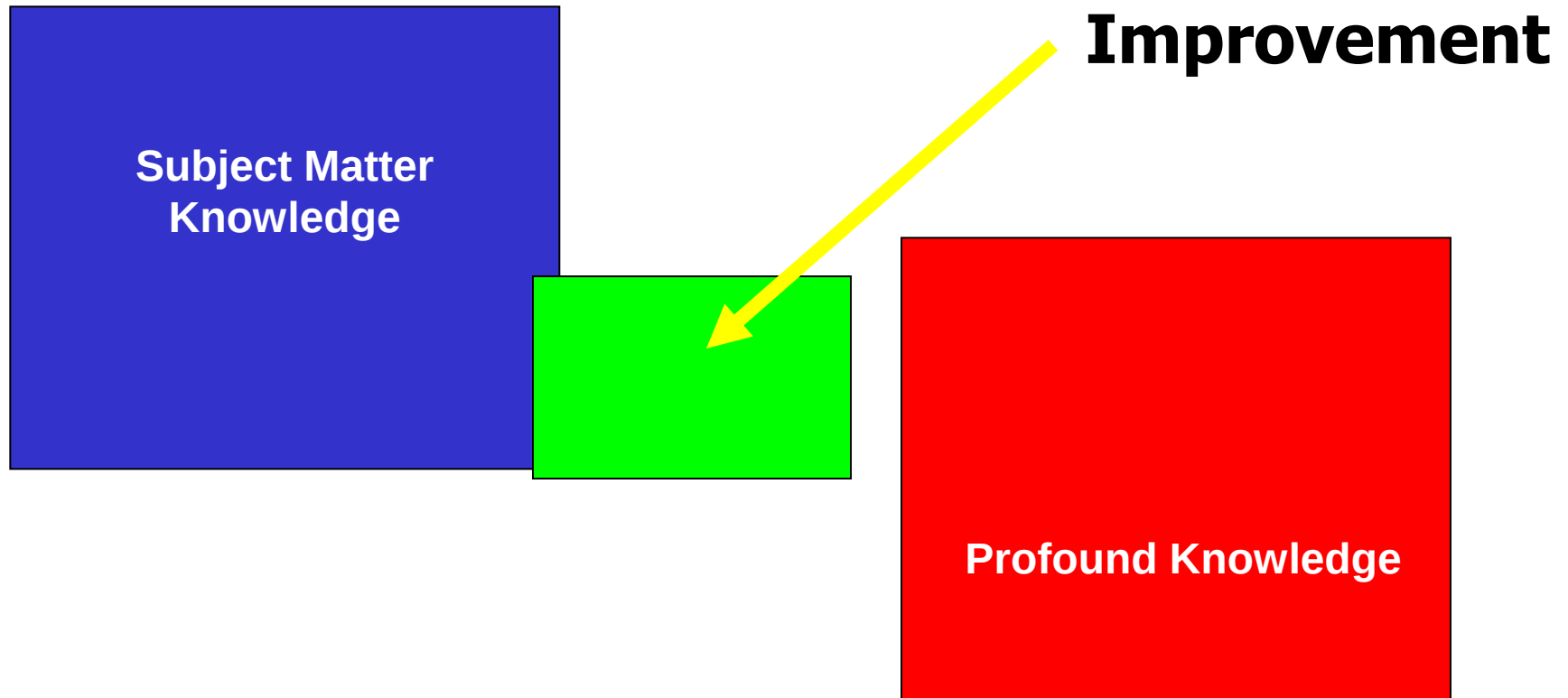
Eric Hoffer



“...everyone in
healthcare really has
two jobs when they
come to work every
day: to do their work
and to improve it.”

What is “quality improvement” and how can it transform healthcare?
Batalden,P; Davidoff.F Qual Saf Health Care. 2007 February; 16(1): 2–3

Subject Matter Knowledge: Specialist knowledge and skills required to be a good clinician



Profound Knowledge: The interaction of the theories of **systems, variation, epistemology** and **psychology**.



EARLY SUPPORT



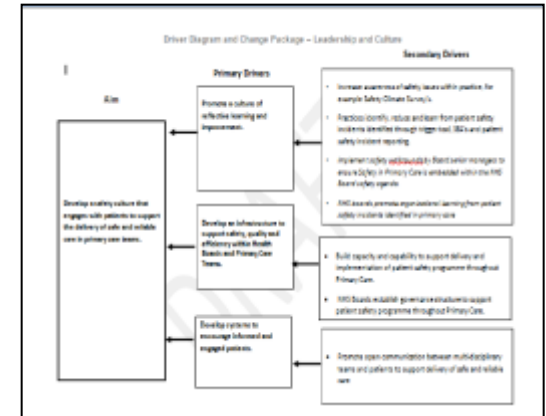
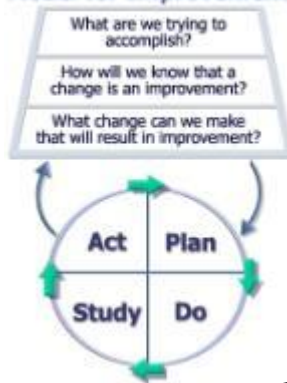
**The
Health
Foundation**
Inspiring
Improvement



Institute for
**Healthcare
Improvement**

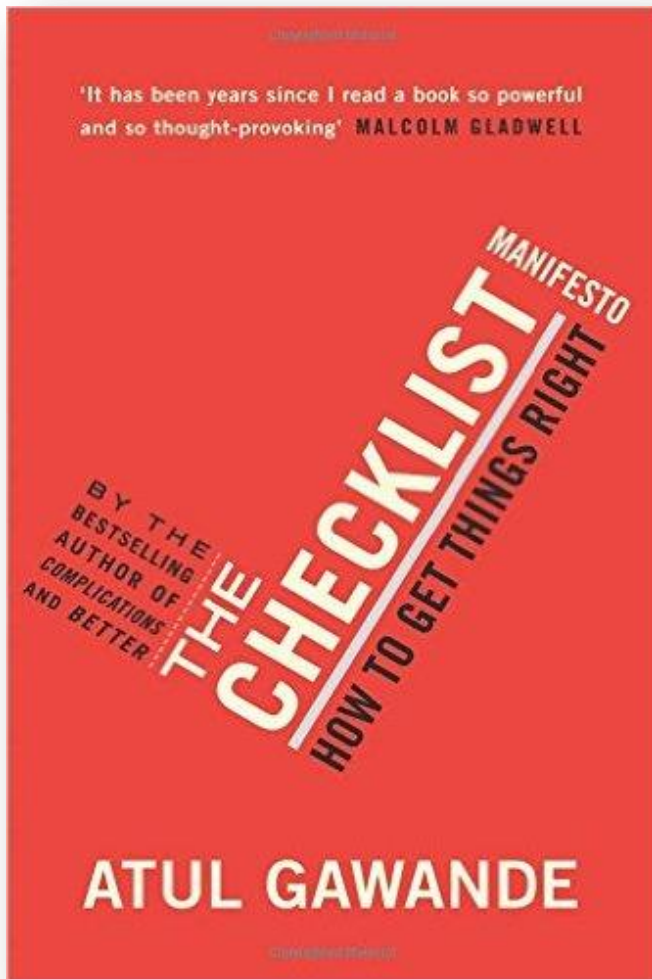
NEW TOOLS ...

Model for Improvement



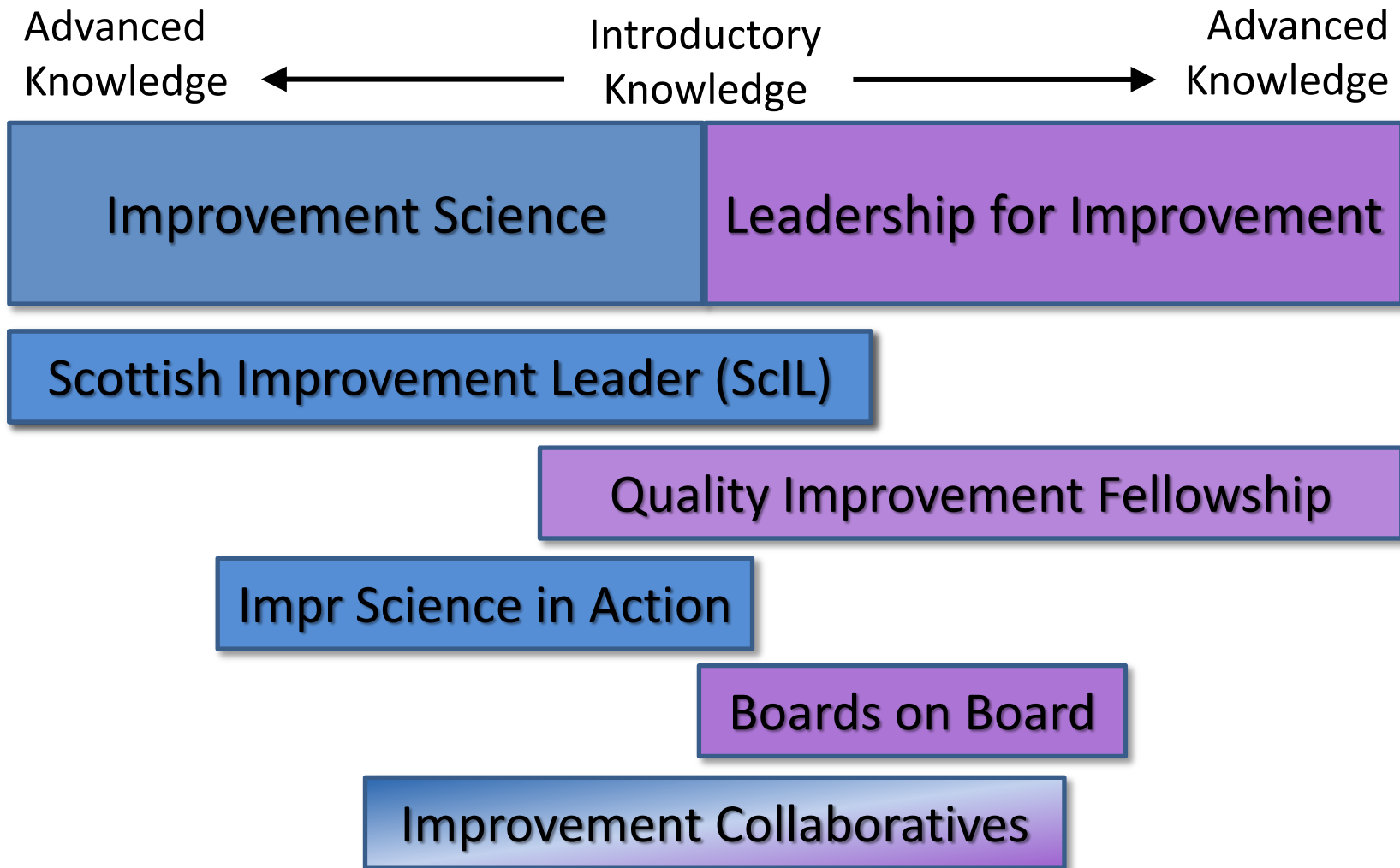
BEHIND THE TOOLS...

“... using a checklist requires [doctors] to embrace different values from ones we’ve had, like **humility, discipline, team.**”

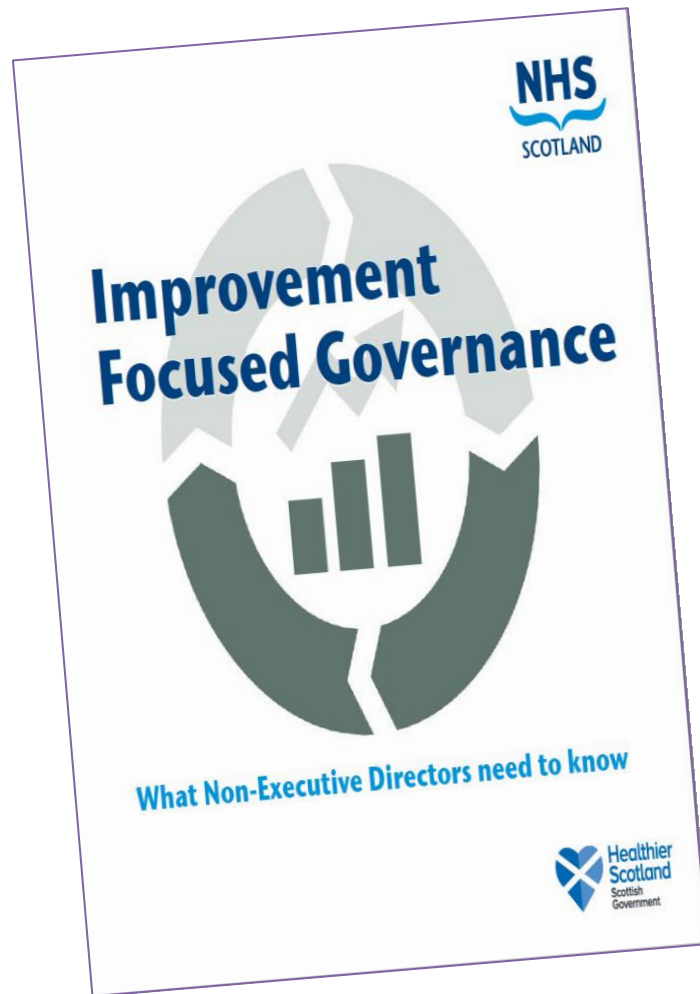


<https://www.amazon.co.uk/d/Books/Checklist-Manifesto-How-Things-Right-Atul-Gawande/1846683149>

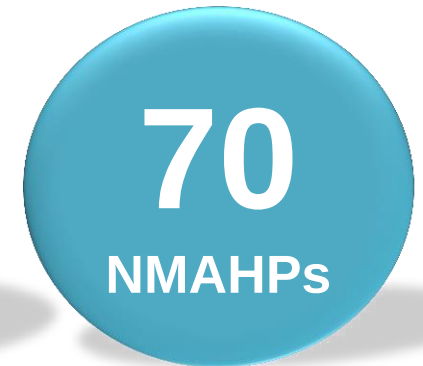
Improvement Capacity Building: Scotland's Approach



IMPROVEMENT LEARNING AT ALL LEVELS



QUALITY & SAFETY FELLOWS (COHORTS 1-10)



							
143	34	14	13	15	1	1	1
Scotland	N Ireland	Ireland	Denmark	Norway	England	Wales	Canada

“I have realised that there is a greater world out there. I want to be a credible clinician improving care:
this is my professional future”

SPSP Fellow, 2014



“I know the world is changing...
.... I want to learn how to change with it and
improve care.”

Scottish Q&S Fellow, 2017



NHS Scotland

UK

International

QI CONNECT

QI CONNECT 2017: INNOVATION & INTEGRATION



Chris Ham
The Kings Fund
26 January



Jaideep Prabhu
Cambridge Judge
Business School
21 February



Emmanuel Gobillot
Global Author & Speaker
4 April



Stephen Swensen
Mayo Clinic
2 May



Don Norman
The Design Lab
University of California
25 May



Anna Roth
Contra Costa Regional
Medical Center
27 July



Bill Lucas
University of
Winchester
28 September



Tom Marshburn
NASA
26 October



Sally Magnuson
Playlist for Life
21 November

QI CONNECT 2018: INNOVATION & INTEGRATION



Dr JD Polk
Chief Health &
Medical Officer
NASA
25 January



Dr Nirav Shah
Former Senior
Vice President &
Chief Officer for
Clinical Operations
Kaiser Permanente
22 February



Professor Al Mulley
Managing Director,
Global Health
Care Delivery Science
Professor of Medicine,
Geisel School of Medicine
The Dartmouth Institute
29 March



Atul Gawande
Surgeon, Writer &
Public Health Researcher
26 April



Toby Cosgrove
Former President &
Chief Executive
The Cleveland Clinic
31 May



Fiona Godlee
Editor in Chief
BMJ
Date TBC



Danielle Martin
Physician,
health care administrator
& an associate professor
University of Toronto
Date TBC



Brene Brown
Scholar, author, and
research professor
University of Houston
Graduate College of Social
Work
Date TBC



Roy Lilley
Health policy analyst,
writer, broadcaster and
commentator
Date TBC



ePatient Dave
Cancer survivor and
expert in the meaningful
use of
health IT
29 November

LEARNING WITH NASA !



Dr Tom Marshburn
Emergency Medicine
Physician &
NASA Astronaut

26 October 2017



**FROM SPACE, DOWN TO EARTH
LESSONS FROM SPACE SHUTTLE COLUMBIA**

Dr Nigel Packham: 8 November 2017



COMING UP IN 2018: CMO OF NASA!



Dr JD Polk
Chief Health &
Medical Officer
NASA

January 2018





http://www.healthcareimprovementscotland.org/our_work/clinical_engagement/qi_connect.aspx

LEARNING ?

VALENTIN BONDARENKO (1961)



APOLLO 1 (1967)



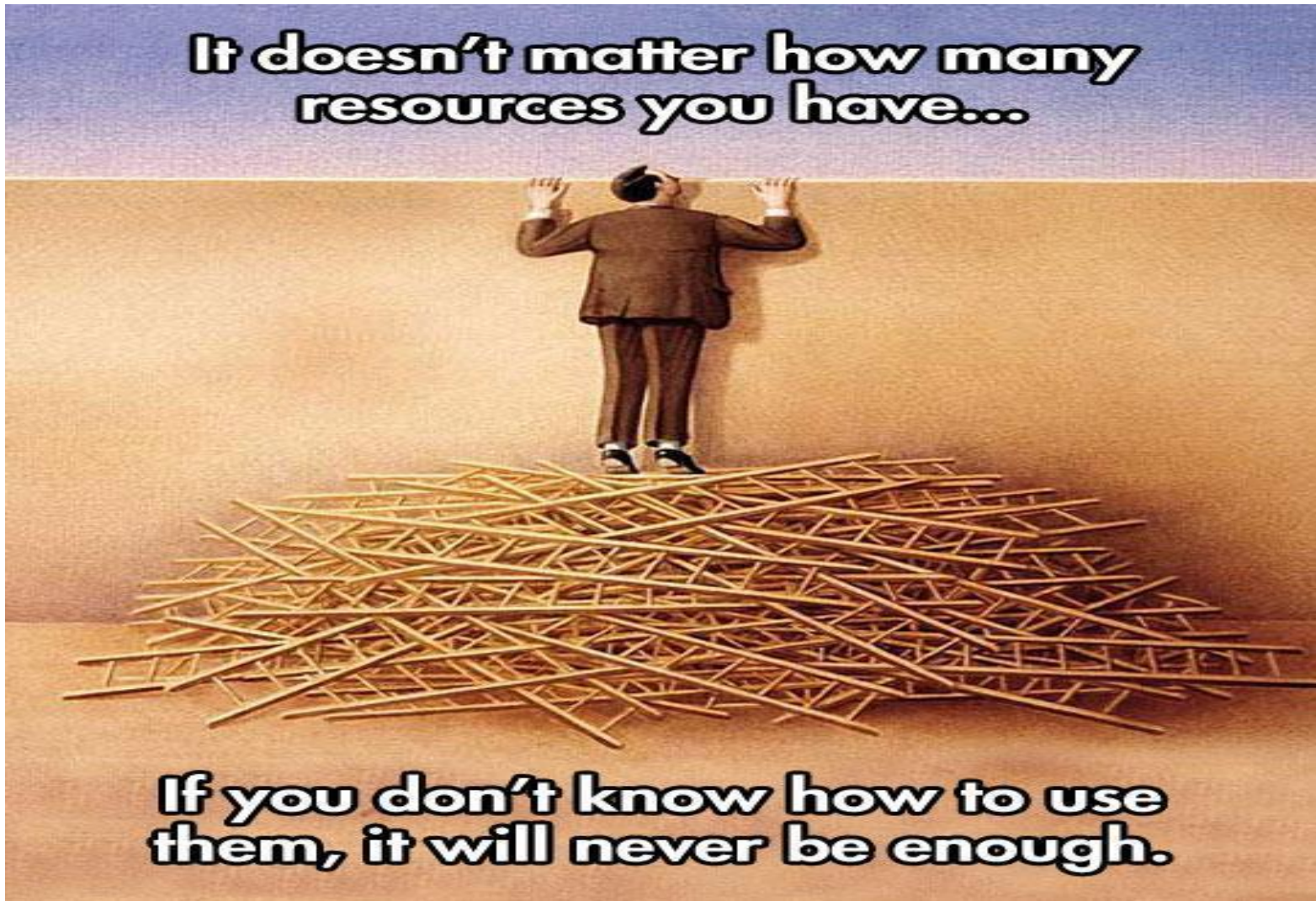
https://spaceflight.nasa.gov/outreach/Significant_Incidents.pdf





*“It is intended to **spark** an interest in past events, **inspire** people to delve into the lessons learned and encourage continued vigilance.”*

BUT.... ARE WE USING THEM?

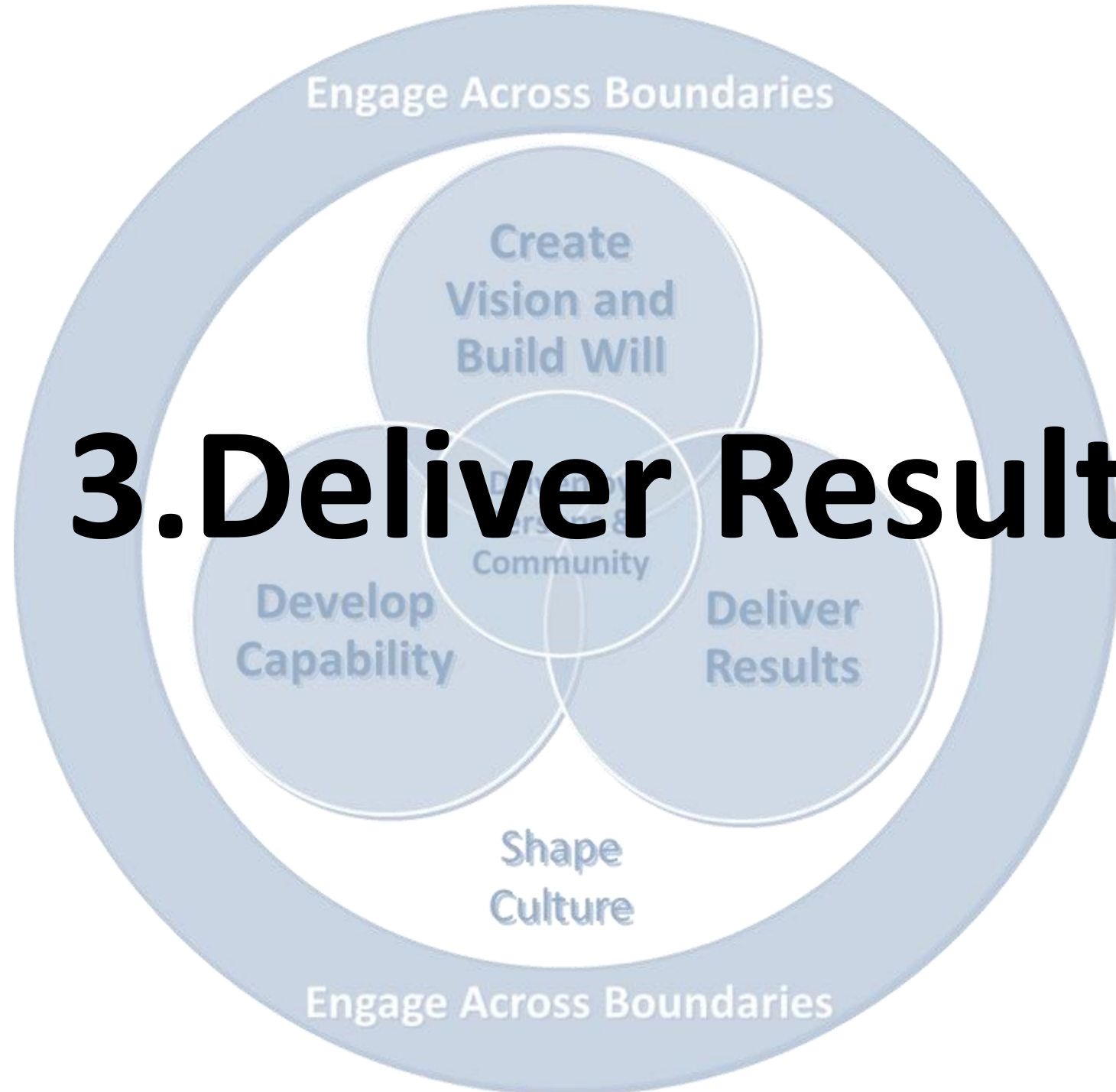




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Our change theory

A clear and stretch goal

A method

Predictive, iterative testing

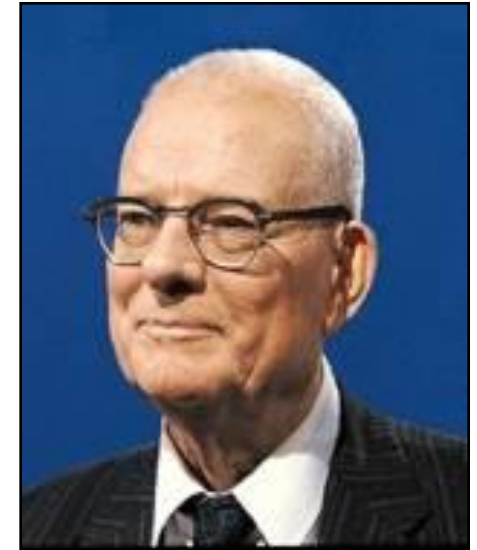


RELENTLESS MEASUREMENT



***“In God we trust...
All others bring data.”***

W. Edwards Deming

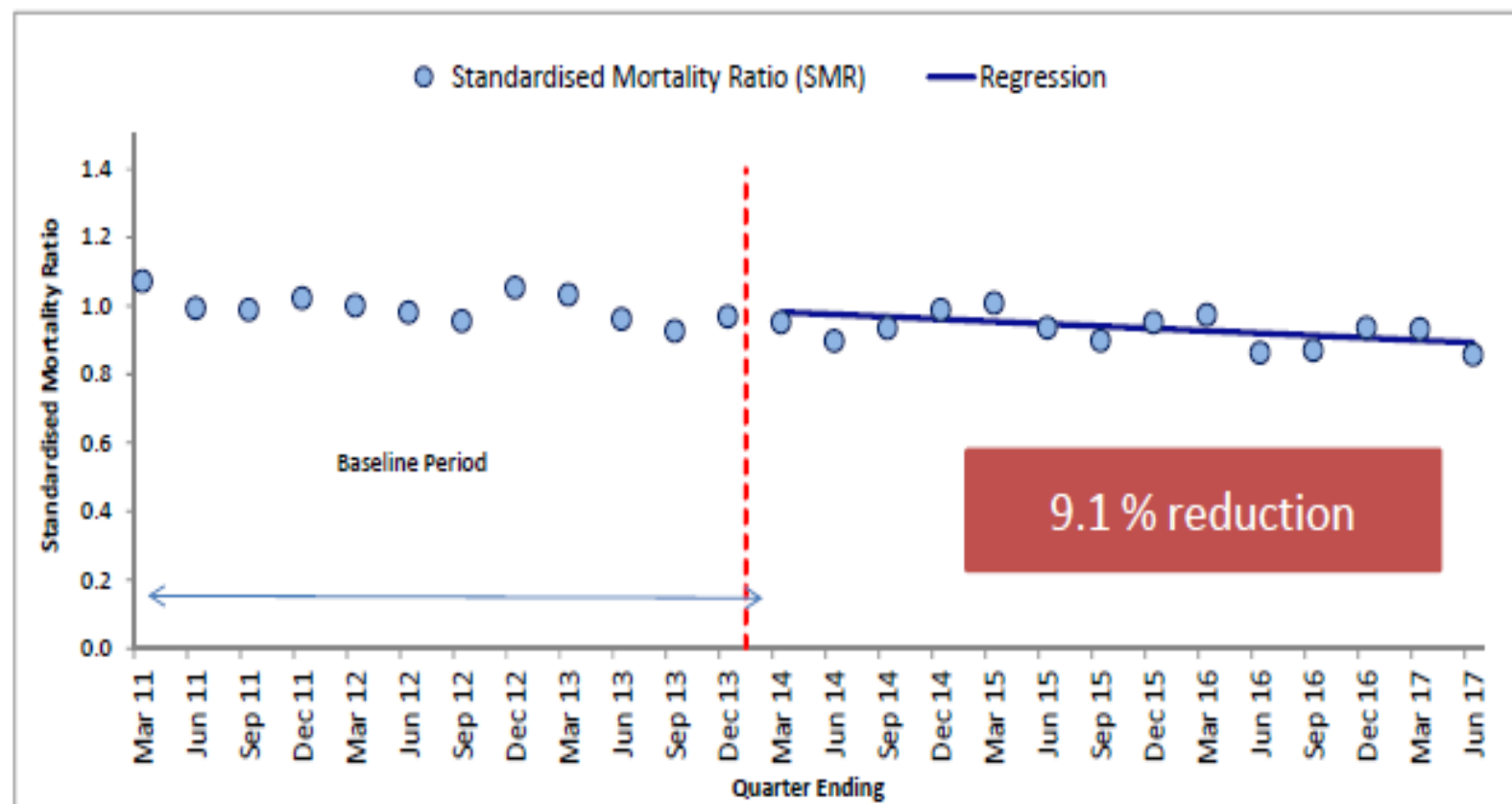


DATA ON EVERY WARD IN PUBLIC !

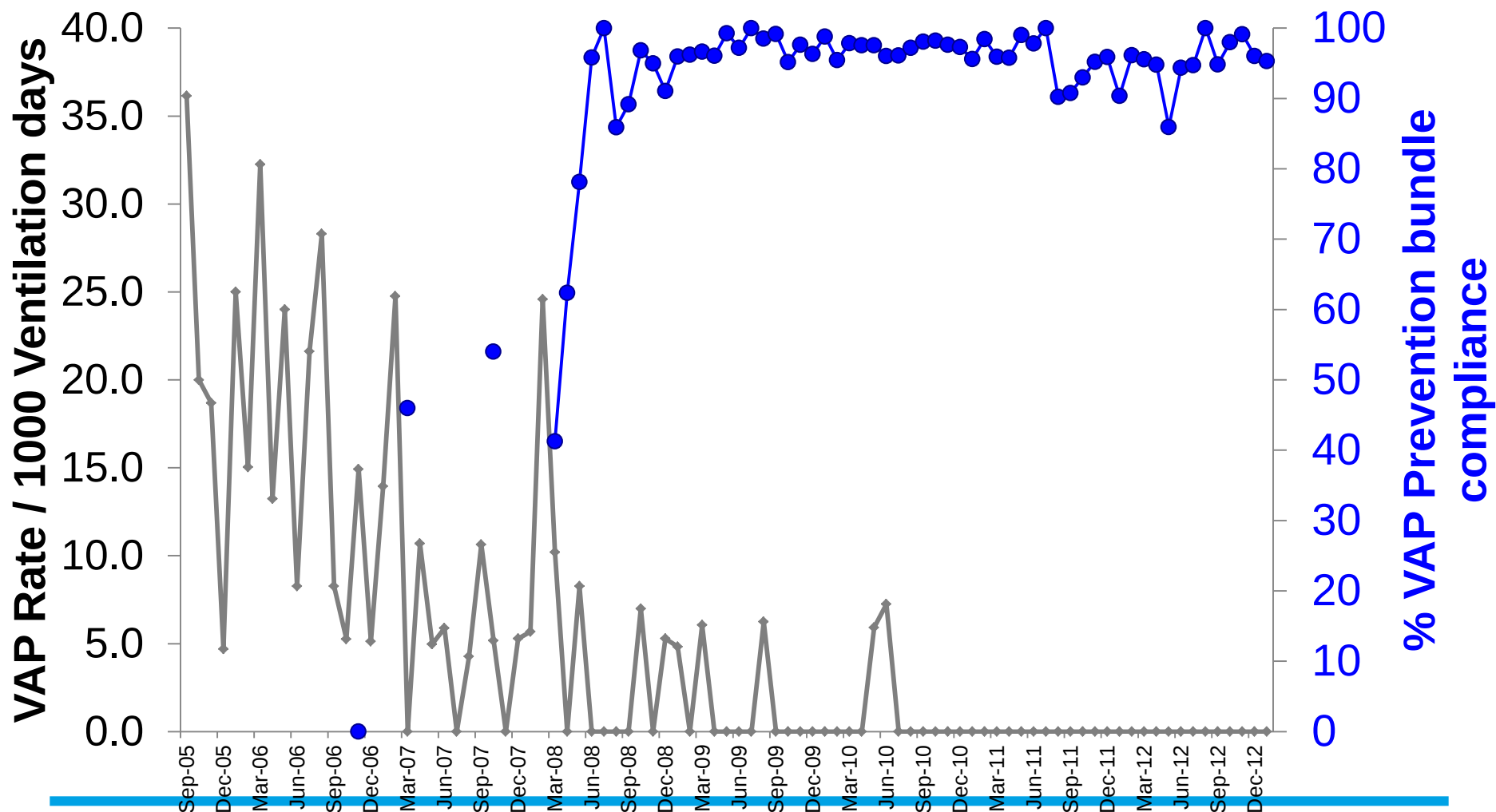


BIG DOTS ...

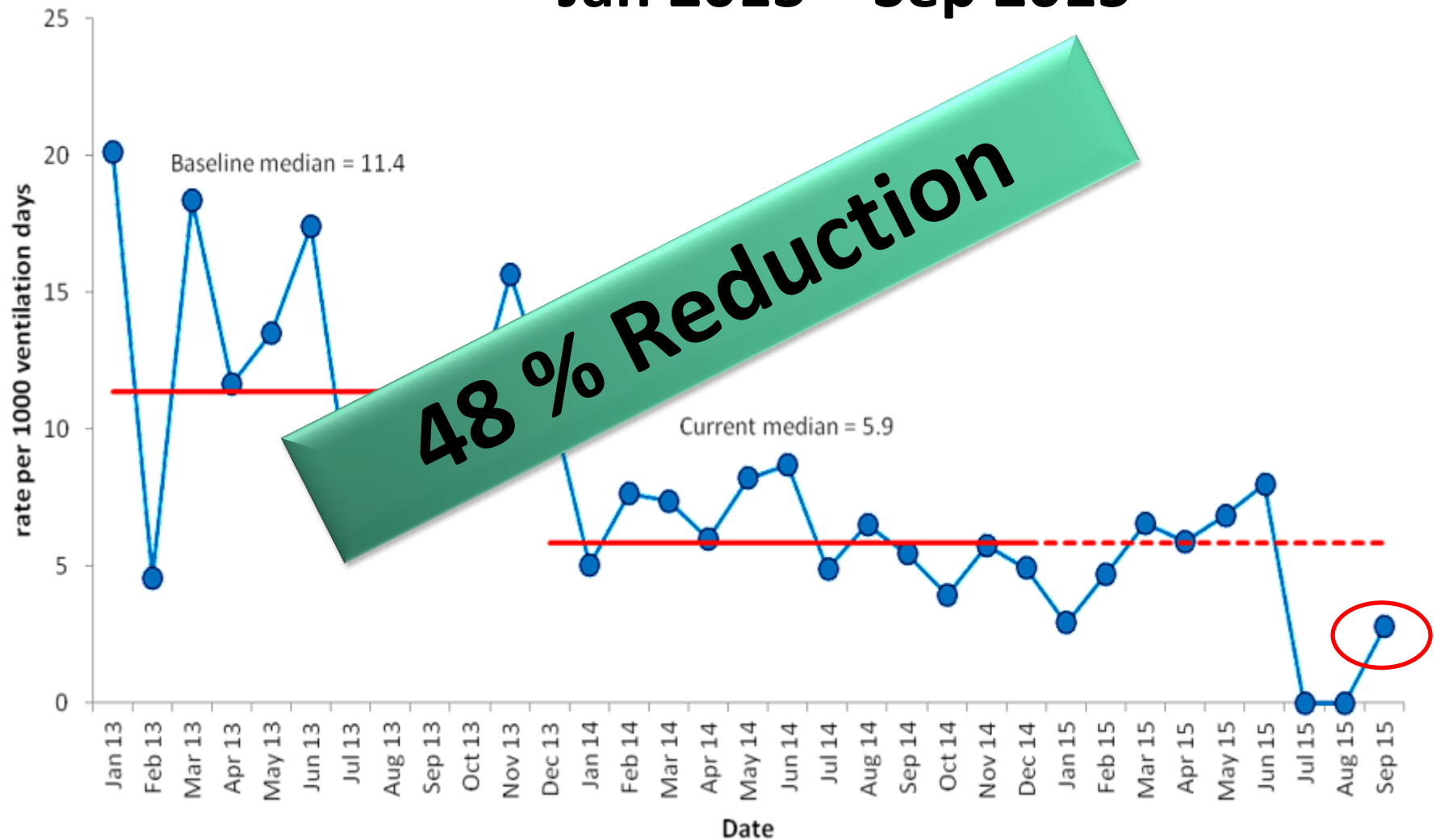
HSMR for deaths within 30-days of admission (with regression line);
Scotland, Jan-Mar 2011 to Apr-Jun 2017p



NHS FV ICU VAP incidence/% VAP Prevention bundle compliance Sept 05 - Dec 12

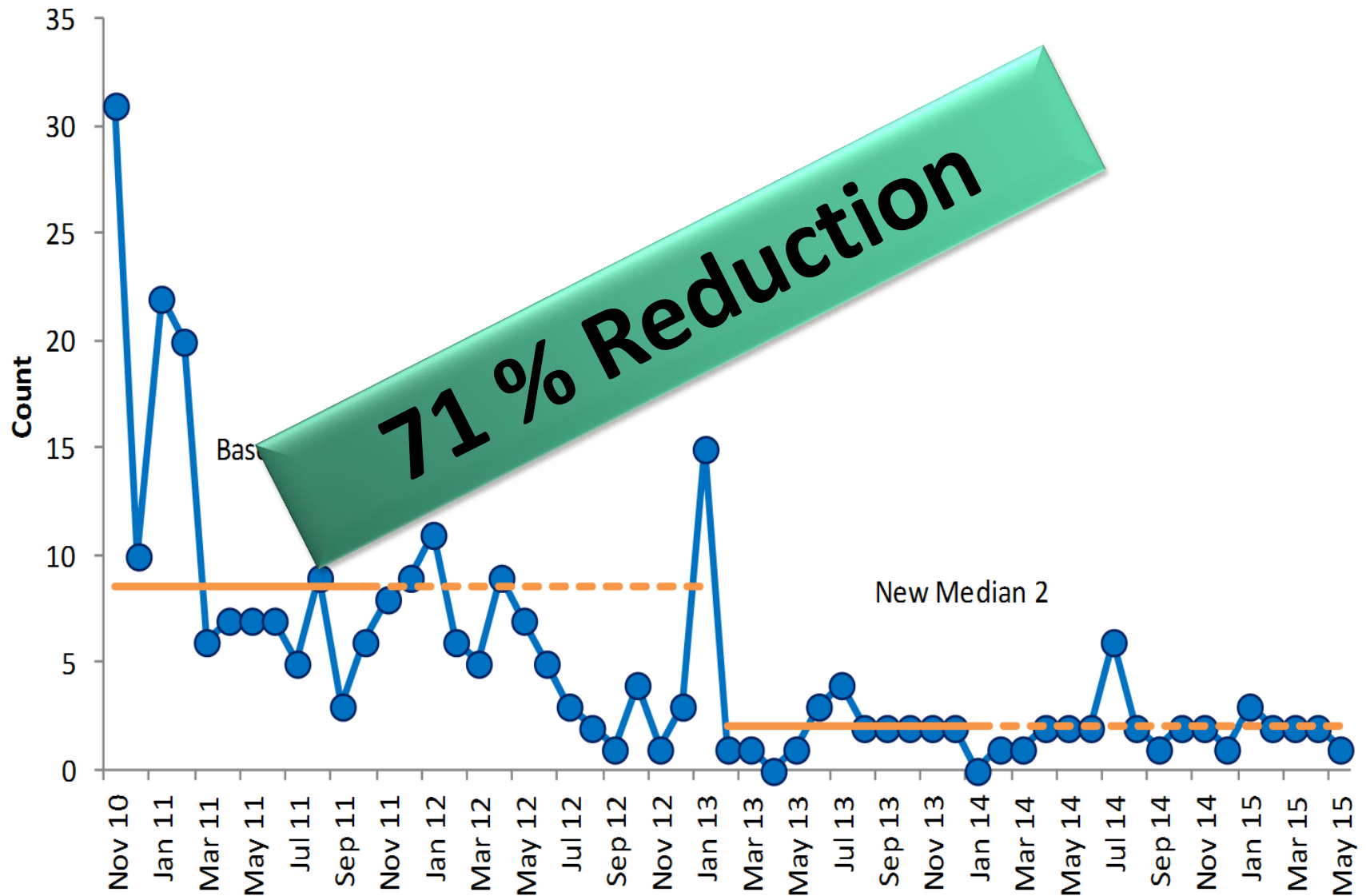


NHS Greater Glasgow & Clyde PICU VAP Rate per 1000 Ventilation Days Jan 2013 – Sep 2015

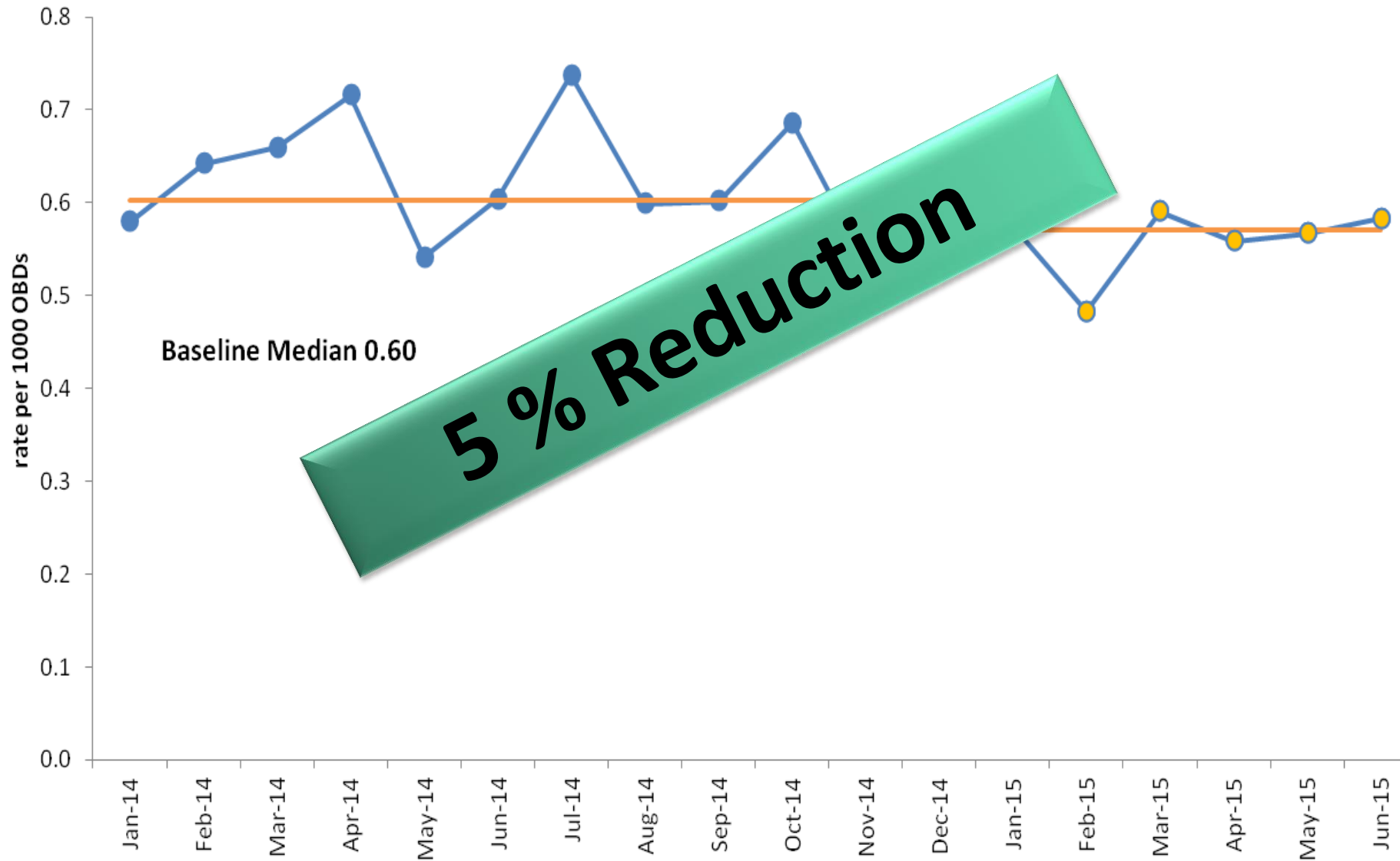


NHS Forth Valley Pressure Ulcer Count

November 2010 – May 2015



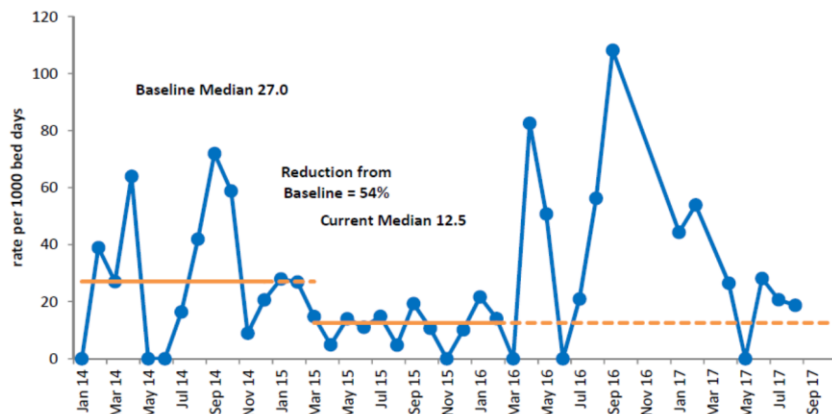
Total Falls Rate for 7 Scottish Boards January 2014 – June 2015



IN MENTAL HEALTH TOO...

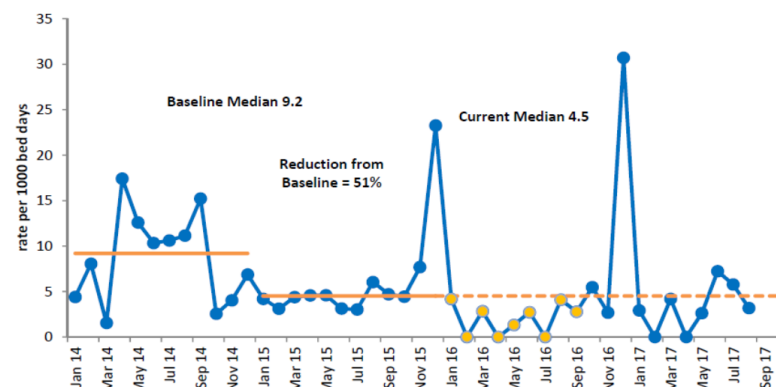
Ward 8, prev IPCU
Woodland View

Rate of incidents of restraint



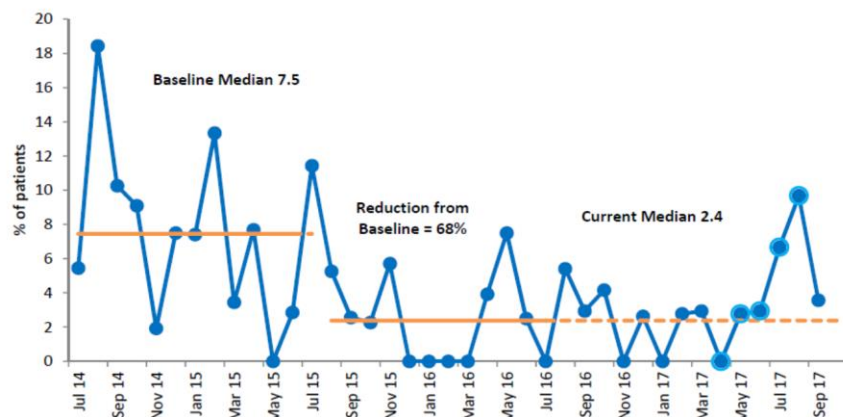
Ward 3
Parkhead

Rate of incidents of physical violence

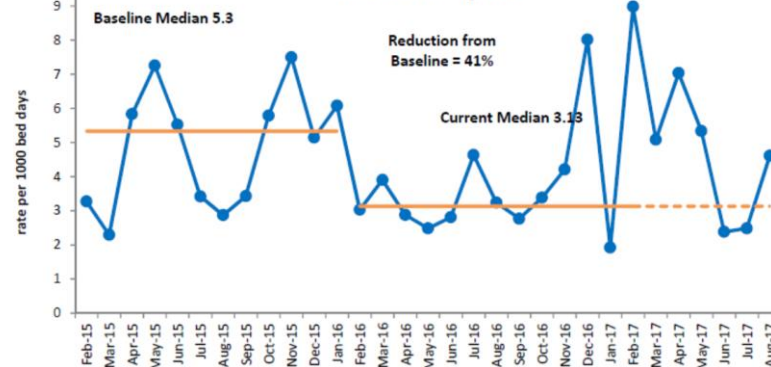


Meadows Female
REH

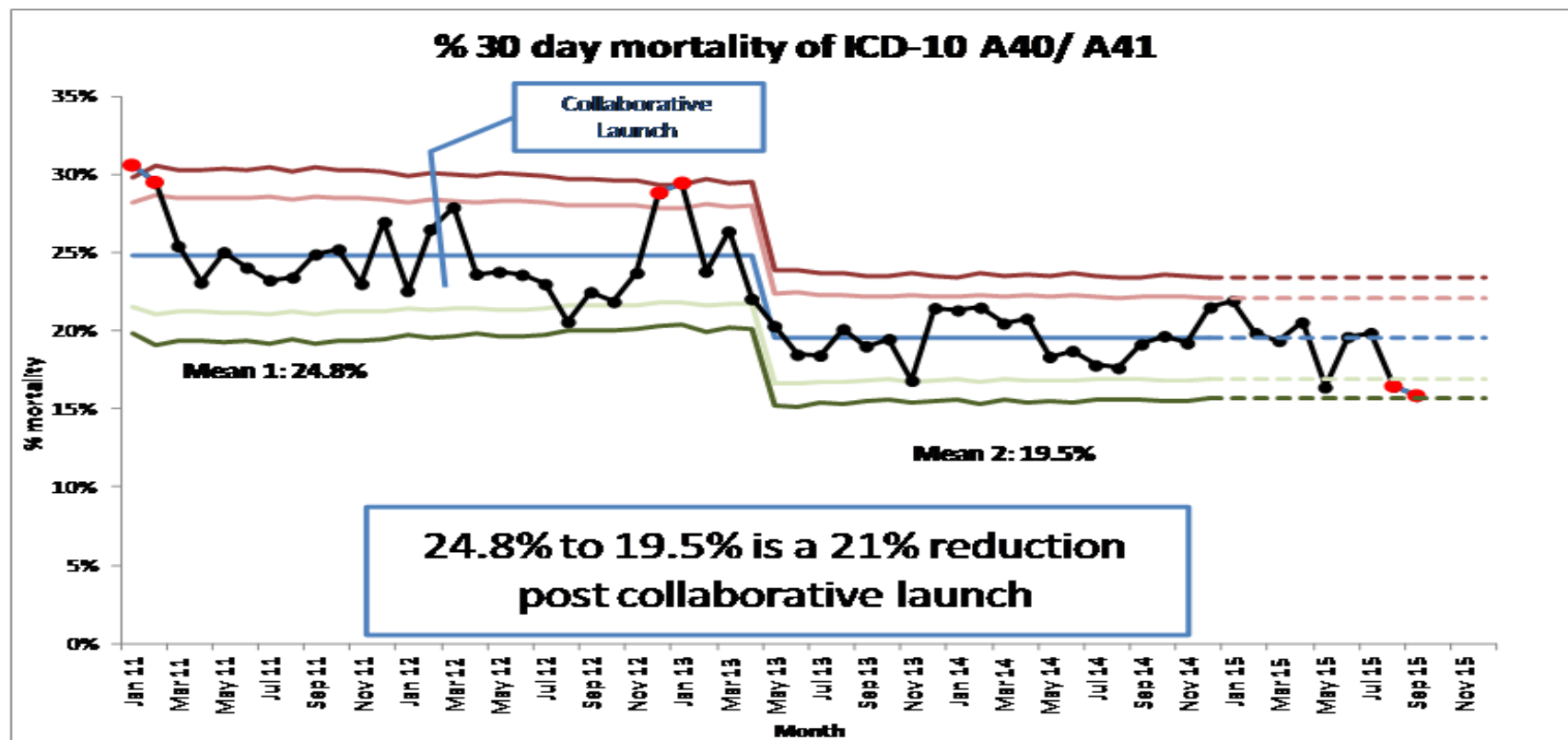
% of patients who experience self harm



Total rate of incidents of physical violence for 10 of 24 non-acute/non-IPCU wards which have reported consistently from Feb '15 to Aug '17



IN NATIONAL DATA TOO ...



BEHIND THE DATA



Courtesy of Malcolm Daniel

SEPSIS ~~6~~ 60

Evaluation of the Scottish
Patient Safety Programme
sepsis VTE collaborative:
Short Report

Carolyn Tennant, Barbara O'Donnell, Graham Martin, Julian Blain



Word cloud terms: collaborative, improvement, teams, learning, data, local, sites, work, VTE, clinical, approach, staff, patient, care, quality, outcomes, evidence, research, practice, implementation, evaluation, report, short, sepsis, VTE, collaborative, improvement, teams, learning, data, local, sites, work, VTE, clinical, approach, staff, patient, care, quality, outcomes, evidence, research, practice, implementation, evaluation, report, short.

CHARLES' 'BUBBLES' BROADENED OUR THINKING



<http://www.health.org.uk/publication/measurement-and-monitoring-safety>

From assurance to inquiry

*Absence
of harm*



*Presence
of safety*

*Moving from being wise after the
event to being wise before the
event*



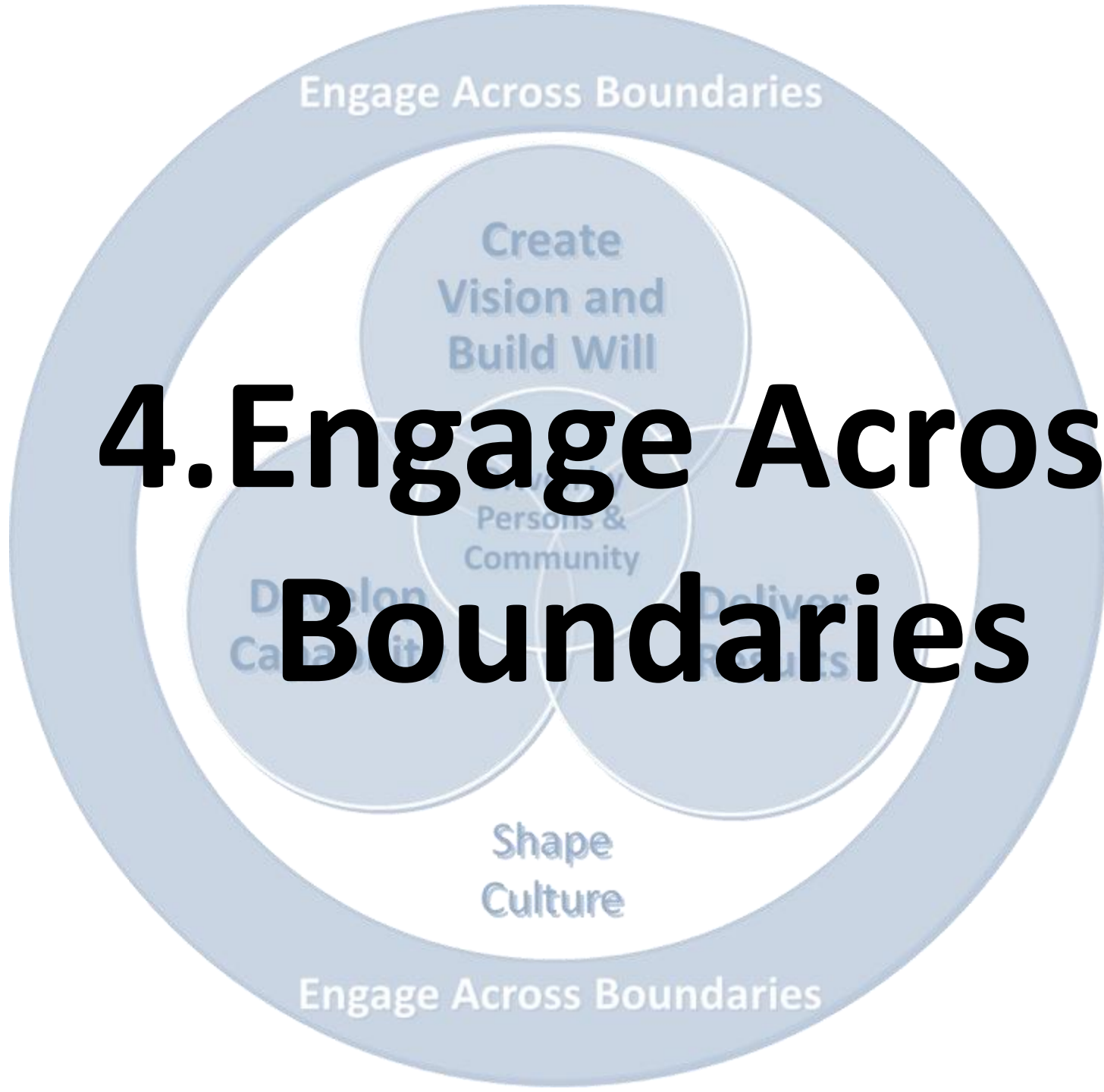
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Tea break ?

4. Engage Across Boundaries





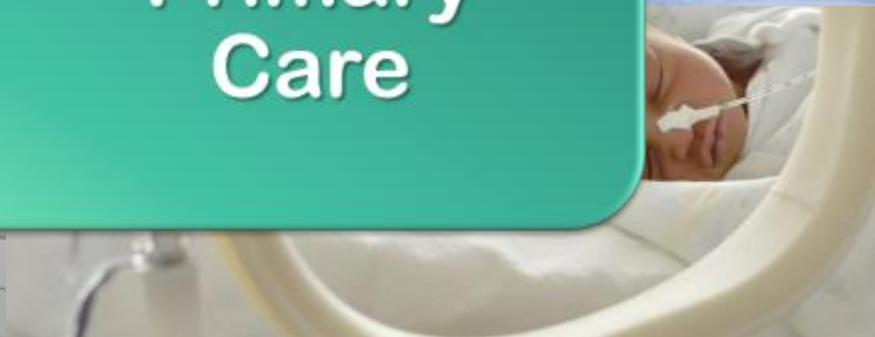
Acute
Adult

Maternity
and Children



Mental
Health

Primary
Care



Strategic Direction of Change



**Improving
Population Health**



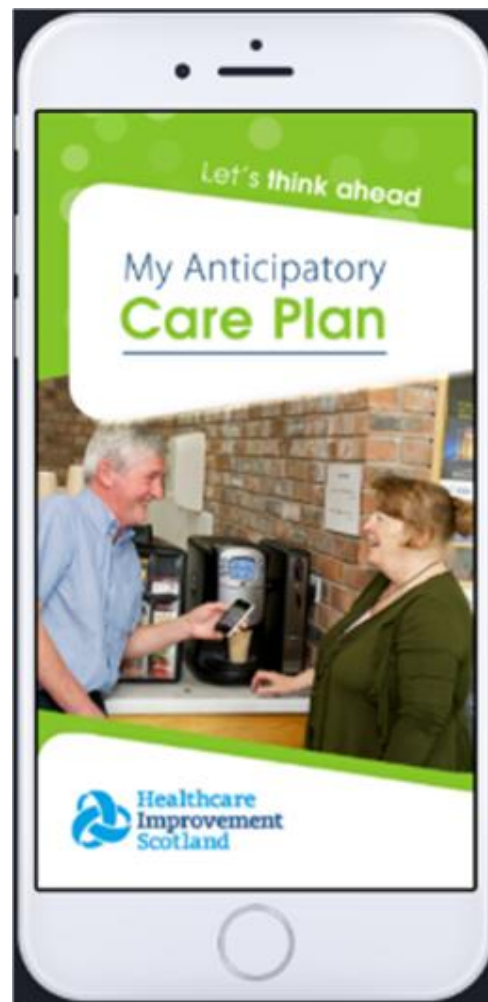
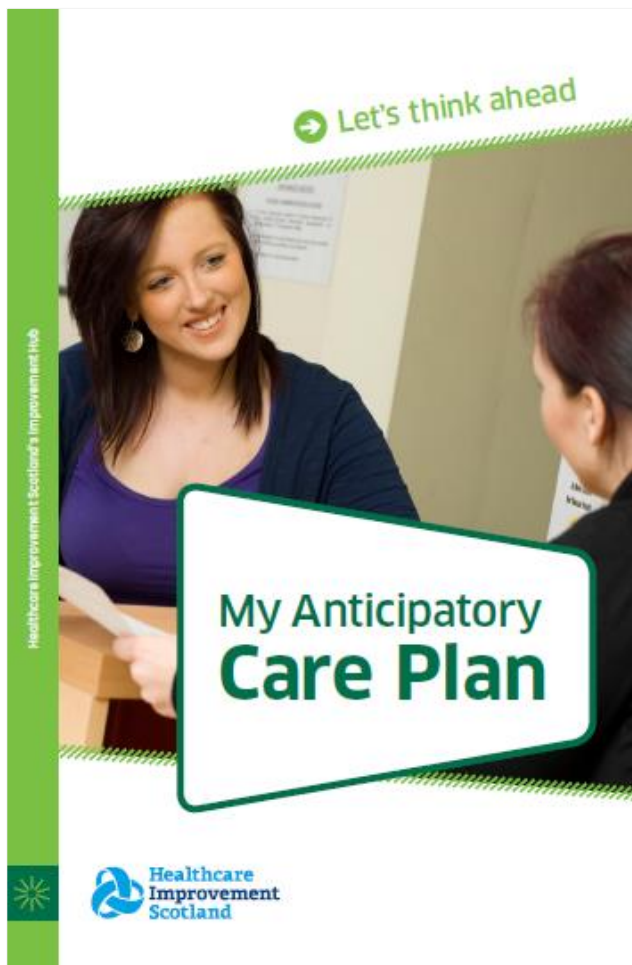
Health and social care



Our improvement programmes
have a new home – the ihub.

<http://ihub.scot>

Developing a national ACP

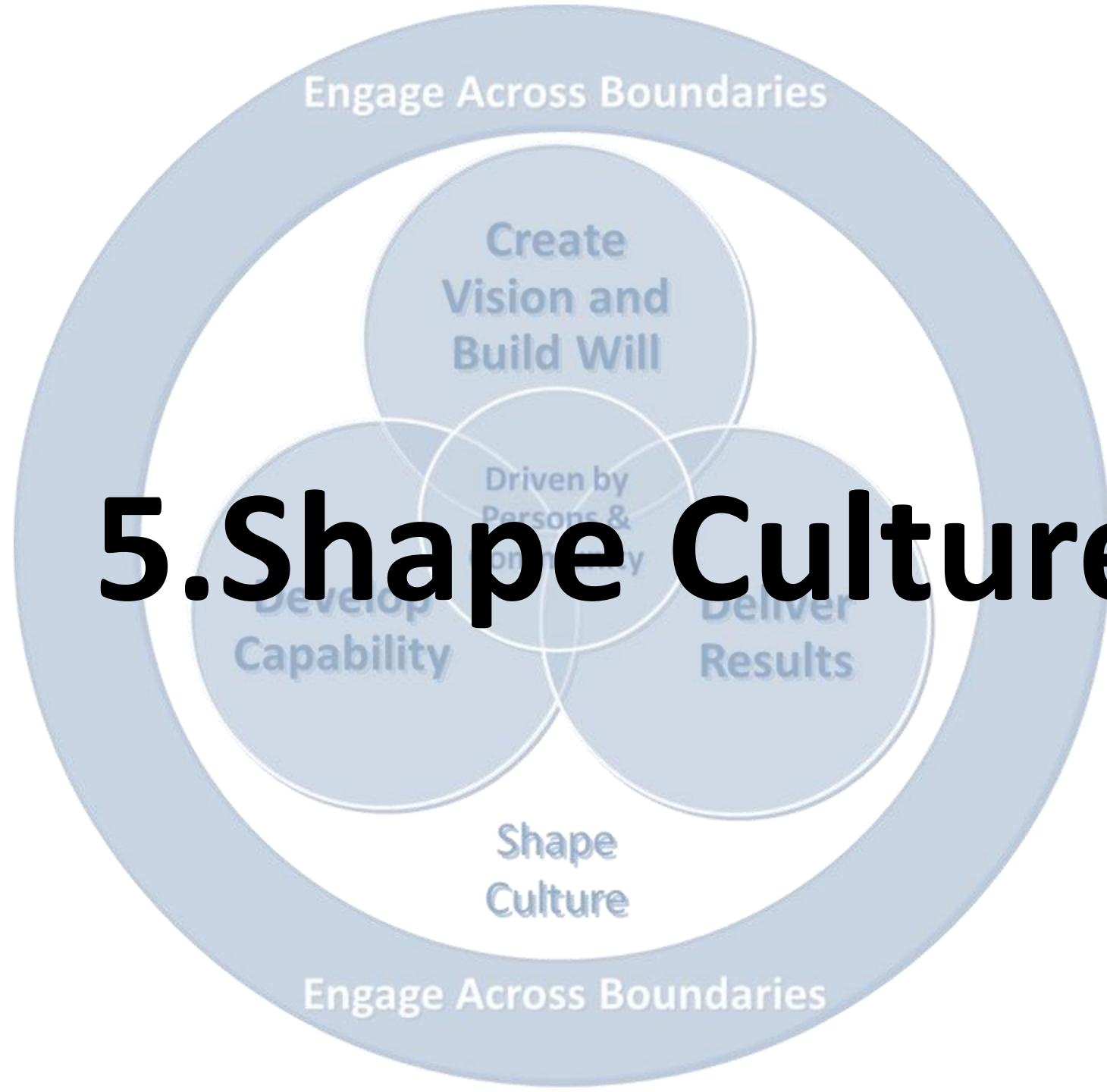




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5. Shape Culture

SMART ISN'T ENOUGH



ELAINE'S STORY

TEAM BRIEFINGS ...



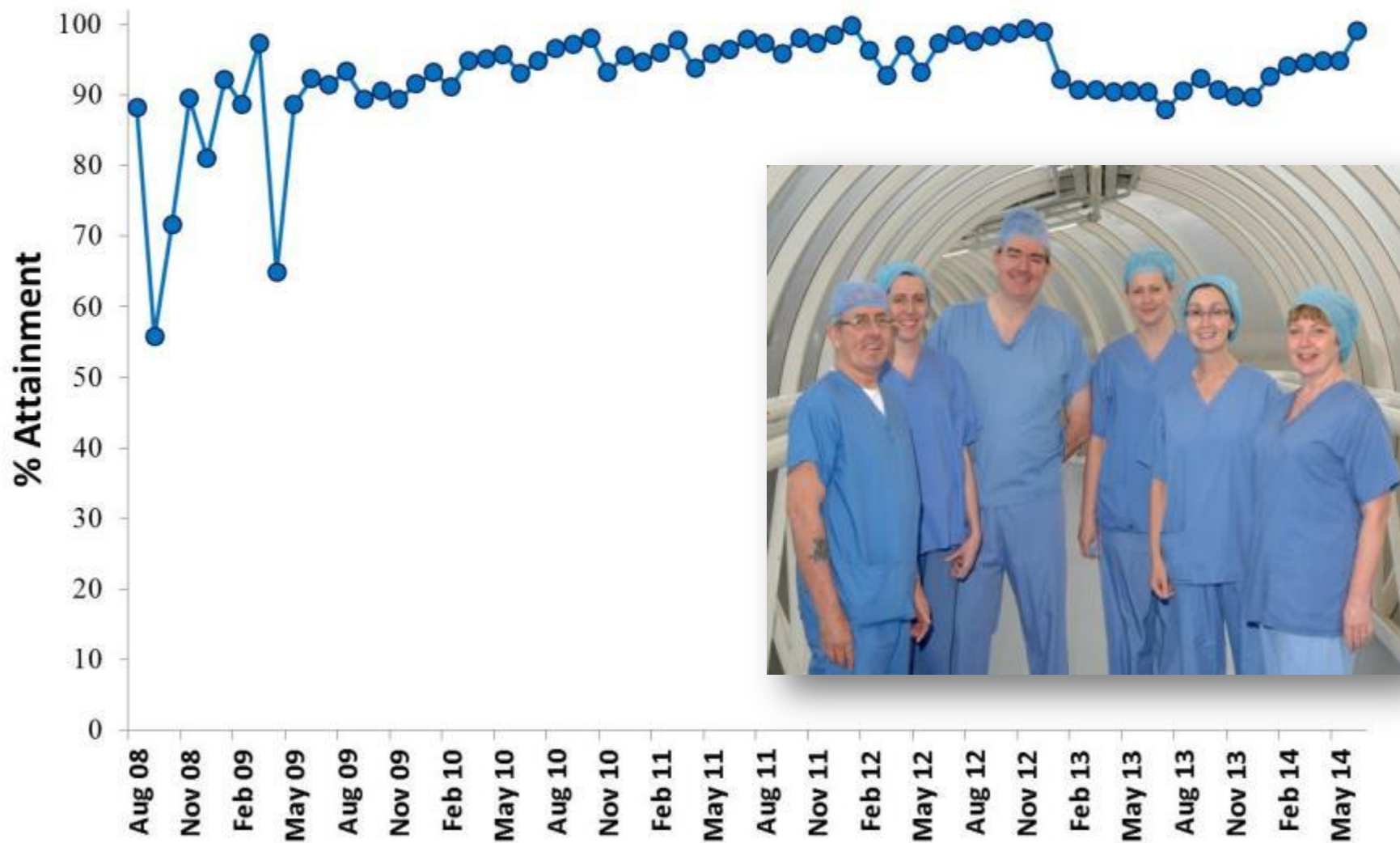
CHANGING THE CULTURE...

“I now consider the safety brief to be every bit as important to the safety of our patients as what I do as a surgeon during the operation...”

“....I don't know why theatre teams are allowed not to do a morning brief I wouldn't operate without it !”

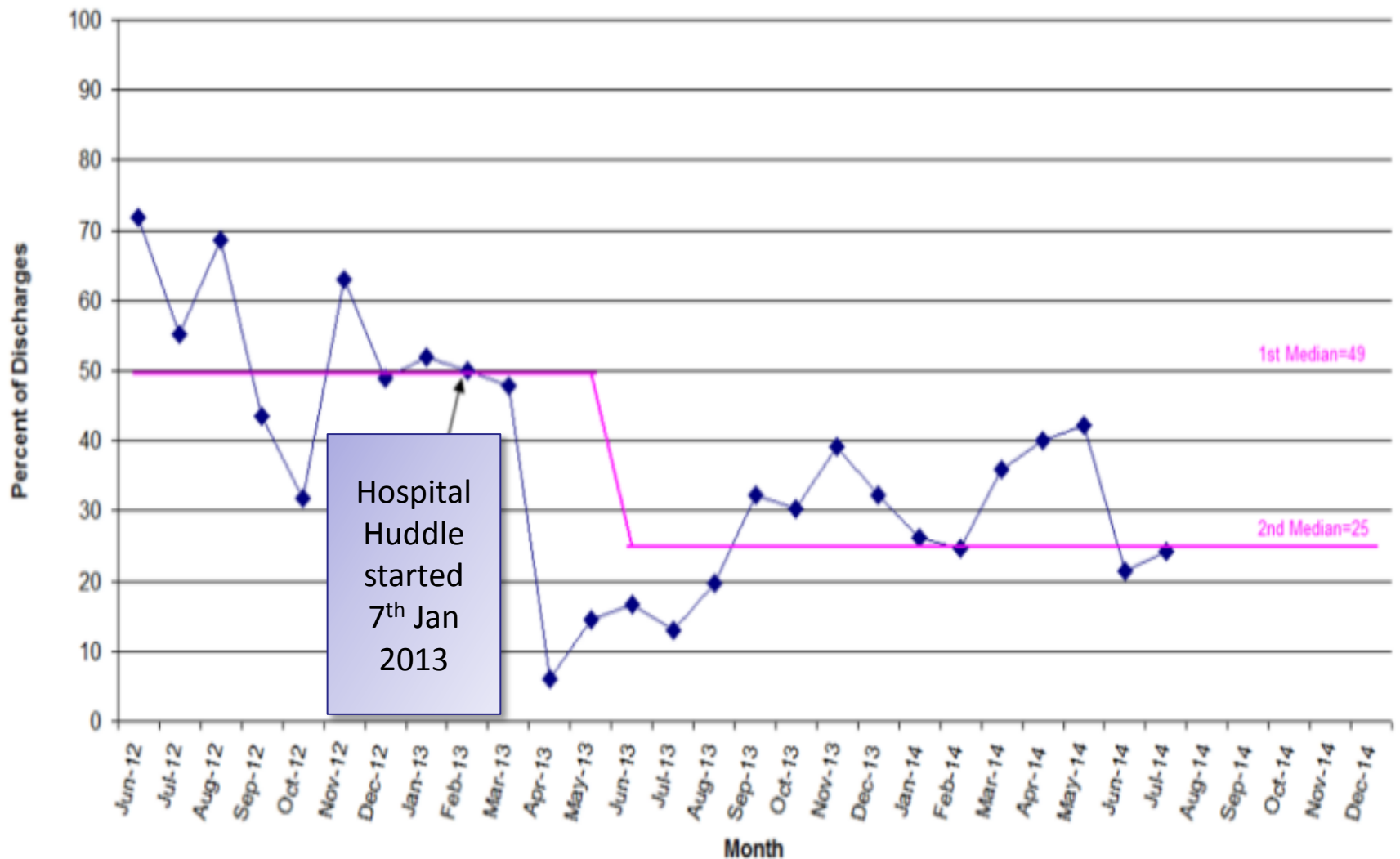
Surgeon

NHSScotland Surgical Safety Briefings



Royal Hospital for Sick Children, Yorkhill

PICU Total Delayed Discharges (+ 4 hrs)



Since 2008.....



....over **1,700** leadership walkrounds have been conducted in Scotland.

Physical

Patients are and feel safe,

Staff feel and are safe

Psychological



	What is happening where you are?	What can you do to strengthen this?
 1. Create Vision & Build Will		
 2. Develop Capability		
 3. Deliver Results		

Talk and scribble

 4. Engage Across Boundaries		
 5. Shape Culture		
 6. Driven by Persons & Community		



6. Driven by Persons & Community

"How Will It Help The Patient"
Bob Berwick

nnovate



**“The patient experience will define
the future of the NHS in Scotland”**

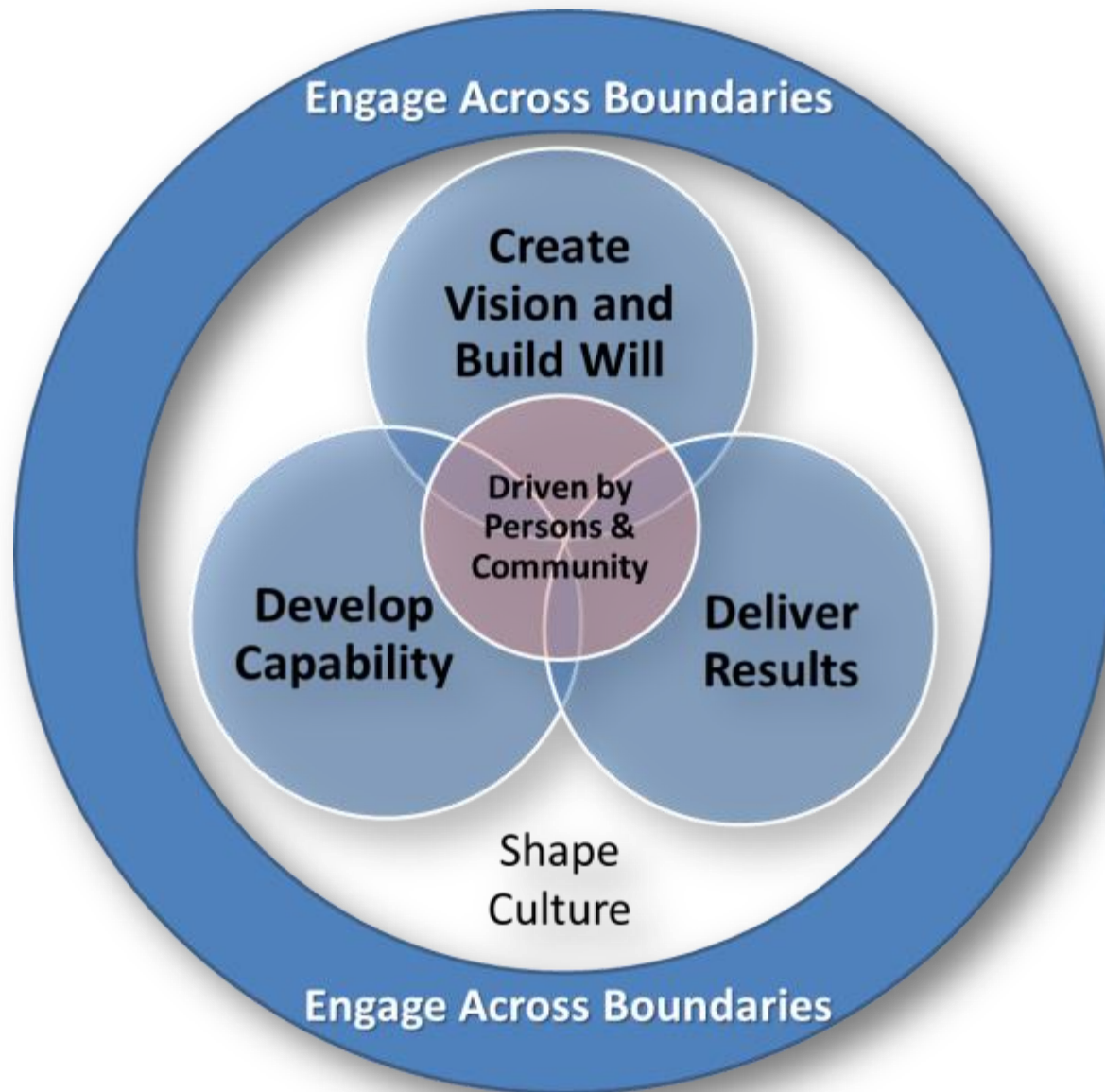
*Paul Gray
Director General and CEO NHS Scotland*



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Swensen S, Pugh M, McMullan C, Kabacene A. High-Impact Leadership: Improve Care, Improve the Health of Populations, and Reduce Costs. Cambridge, Massachusetts: Institute for Healthcare Improvement; 2013. (Available at [ihi.org](http://www.ihc.org))



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Thank You

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