

# Challenges for the Formulation and Implementation of Patient Safety National Guidelines – International and National Overview

June 6, 2019

Congress of Brazilian Society for Quality of Care and Patient Safety, Rio de Janeiro, Brazil

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Implementation Science  
**President Elect**  
International Society for Quality in Health  
Care (ISQua)





# ISQua's Mission Statement:

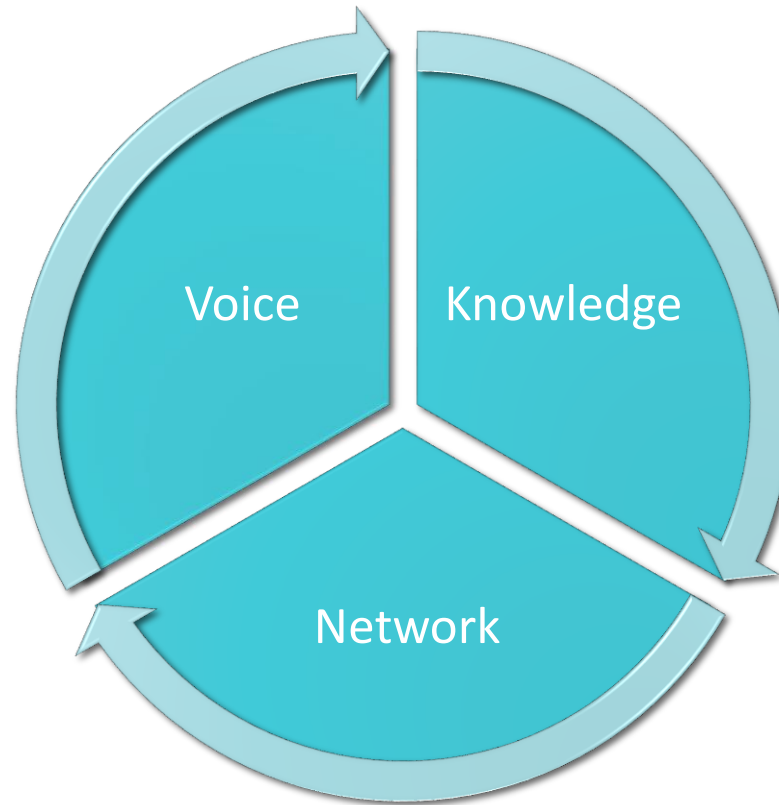
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*“To inspire and drive improvement in the quality and safety of health care worldwide through education and knowledge sharing, external evaluation, supporting health systems and connecting people through global networks.”*

Our vision is to be the global leader of transformation in healthcare quality and safety.

# Knowledge, Network, Voice

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International Society for Quality in Health Care

ISQua MEMBERSHIP

Join Our Global Members  
Network and Actively  
Improve Health Care Safety  
& Quality For All





# ISQua's Annual Conferences



ISQua International Society for Quality in Health Care

THE COUNCIL FOR HEALTH SERVICE ACCREDITATION OF SOUTHERN AFRICA C.O.H.S.A.A. Quality Improvement in Health Care

MEDICLINIC

ISQua's 36th  
International Conference

## Cape Town

2019

20-23 October

Innovate, Implement, Improve:  
Beating the Drum for Safety, Quality and Equity

[www.isqua.org/events/ct2019](http://www.isqua.org/events/ct2019)

**REGISTRATION NOW OPEN**

Cape Town International Convention Centre #ISQua2019



ISQua International Society for Quality in Health Care

GRC

ITALIAN NETWORK

ISQua's 37th  
International Conference

## Florence

2020

30 August - 2 September

Call for Papers will open on  
23rd October 2019

[www.isqua.org/events/future-conferences.html](http://www.isqua.org/events/future-conferences.html)

Email: [conference@isqua.org](mailto:conference@isqua.org) #ISQua2020

# Why Get Involved?

## Scientific Programme



## Delegates Around the World

### Job Titles

- Chief Executive
- Medical Director
- Risk Manager
- Vice President
- Consultant
- Chief Financial Officer
- Patient Care Director
- Researcher
- Quality Management
- Allied Health Professional
- Nurse Practitioner
- Doctor/ Physician

Senior Healthcare  
Professionals **30%**

Clinical and Para  
Medical **56%**

Others (Policy  
Makers and Patients) **3%**

Academics **11%**

# Communities of Practice

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- Africa
- Latin America and the Caribbean
- Person Centred Care



## Join ISQua's Latin America Community of Practice

### About ISQua's Latin America Community of Practice

The Latin American Community of Practice is run in association with el Consorcio Latinoamericano de Calidad y Seguridad en Salud (CLICSS) / Latin American Consortium for Health Quality and Safety.

With regular online meetings, members can exchange quality improvement strategies, discuss their successes and challenges, and learn how best practices can be applied to their own organisations.

This group is open to anyone interested in furthering QI work and initiatives in Latin America.

#### Countries involved to date:

|           |           |
|-----------|-----------|
| Argentina | Mexico    |
| Brazil    | Peru      |
| Chile     | Uruguay   |
| Colombia  | Venezuela |
| Ecuador   |           |

If you are interested in joining the network, please visit [ISQua.org/interest-groups/communities-of-practice](https://ISQua.org/interest-groups/communities-of-practice) or email [ccurran@isqua.org](mailto:ccurran@isqua.org)

### WEBINARS

Watch recordings of the Community's previous meetings where they share their country's planned or completed quality improvement strategies and join the discussions in our live webinars

### NETWORK

Exchange information and share learning on issues that are specific to your region; highlight concerns and support each other

### ISQua

Join our Membership and Fellowship programme, and register for our annual conference at reduced rates



# Latin American & Caribbean Community of Practice

- Run in association with el Consorcio Latinoamericano de Calidad y Seguridad en Salud (CLICSS)/Latin American Consortium for Health Quality and Safety.
- Monthly online meetings
- Valuable networking possibilities
- Facilitated by the Collaborative Forum on Health Quality and Safety (ForoCS), the Organization for Health Excellence (OES) and the Institute for Clinical Effectiveness and Health Policy (IECS)

# Australian Institute of Health Innovation



***Our mission is to enhance local, institutional and international health system decision-making through evidence; and use systems sciences and translational approaches to provide innovative, evidence-based solutions to specified health care delivery problems.***



# Australian Institute of Health Innovation

PIONEERING | STRATEGIC | IMPACT







- **Professor Jeffrey Braithwaite**

Founding Director, AIHI; Director, Centre for Healthcare Resilience and Implementation Science

- **Professor Enrico Coiera**

Director, Centre for Health Informatics

- **Professor Johanna Westbrook**

Director, Centre for Health Systems and Safety Research

# Brazil: what I have learned



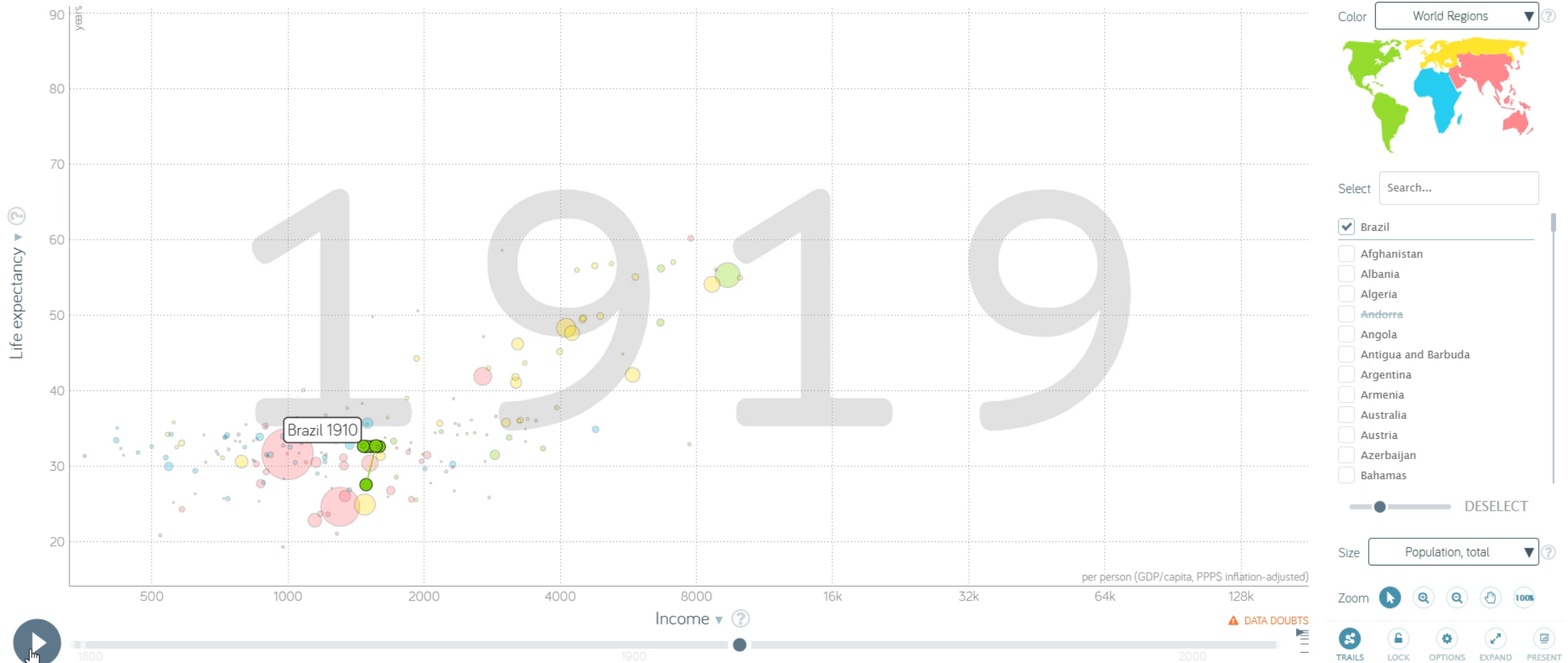
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- The Federative Republic of Brazil covers half of the continents landmass and is the fifth largest country in the world (after Russia, Canada, China and the US)
- Population: 212,253,163 (at May 2019)
- Young population: 24.4% of the population aged 15-29 years
- GDP per capita (2017): \$9,812.3 (US) (\$16,154 in PPP)
- GINI co-efficient is (at 2017): 53.3



[<https://www.britannica.com/place/Brazil>; <https://www.worldometers.info/gdp/brazil-gdp/>;

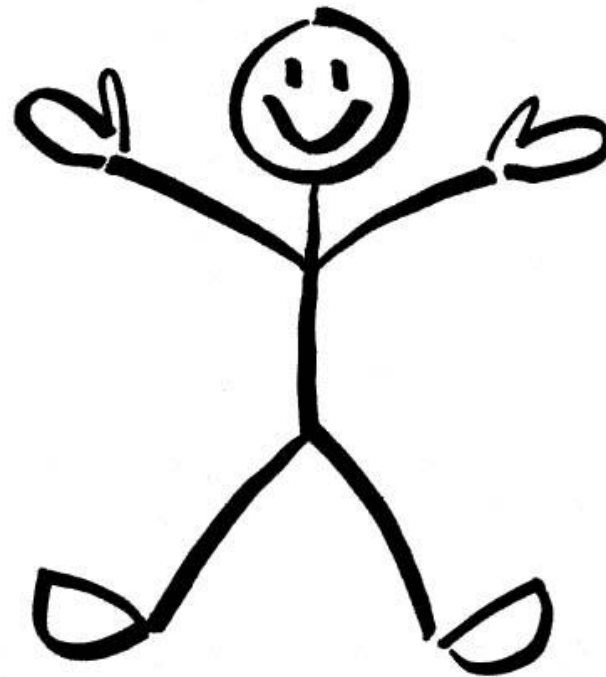
<https://data.worldbank.org/indicator/SI.POV.GINI?locations=AR>; <https://www.worldometers.info/world-population/brazil-population/>]







# Part 1: Behaviour change: it's all about you



← You



# Fantasy Work Plan





# To do list

# Tada list





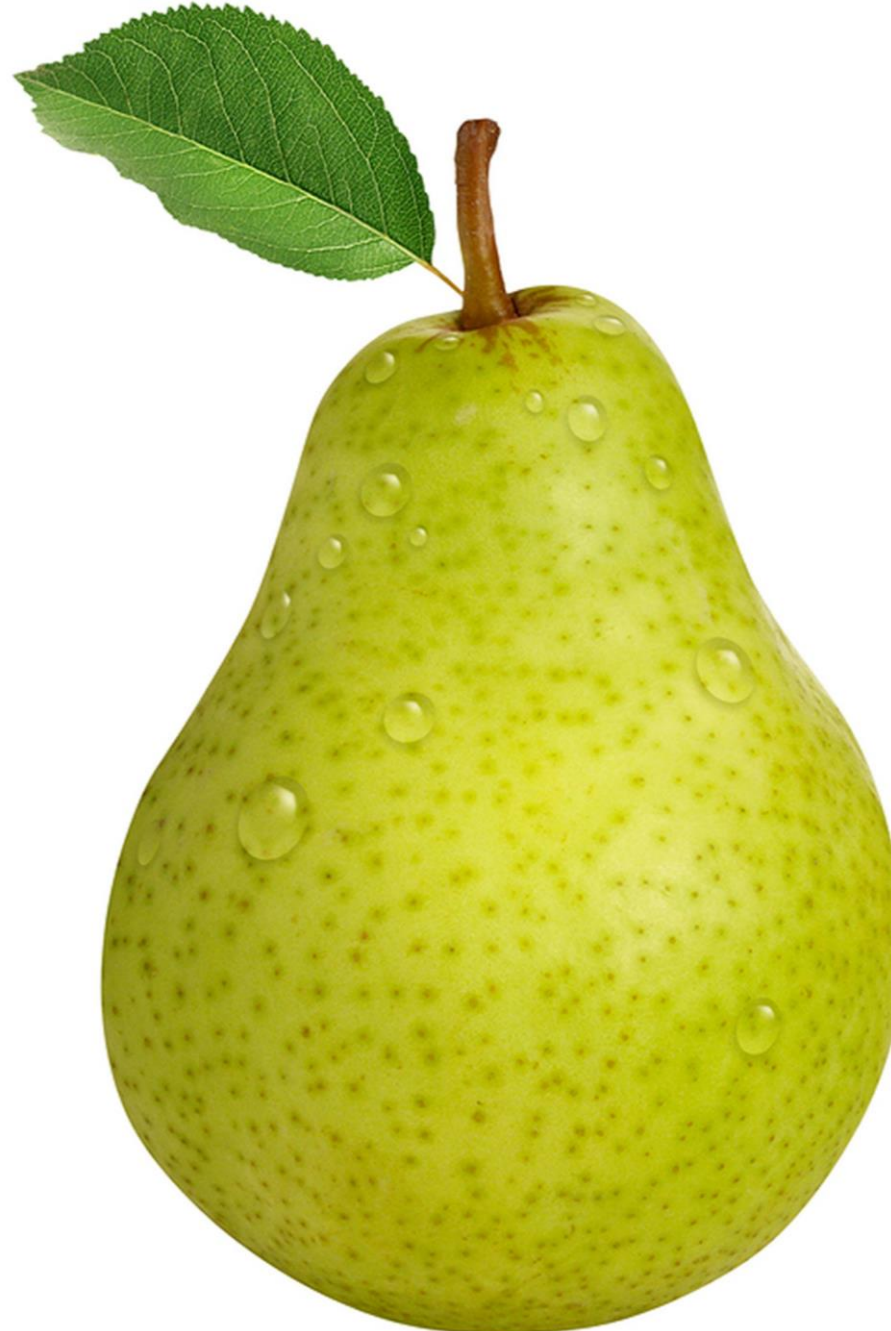


**When you get to the end of the day  
you always find two things ...**



**1. You didn't accomplish  
everything you imagined you  
would.**

**2. Your day wasn't anything like  
how you'd imagined.**





# Why is this?



**WAD (Work-as-done)  
always differs  
from WAI (Work-as-  
imagined)**



Or ...



**Work on the front lines  
is never the same as the  
way you imagine it will  
play out**



**This distinction  
between  
WAI  
and WAD is ...  
*everywhere***



# You're not the only one who imagines how work is done.



# Architecture examples



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# Another example



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# Obesity

# Another example: Obesity



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**That's a guideline  
problem, right?**



# An example: Obesity



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**Fewer calories, more  
exercise =**



# An example: Obesity



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**Unfortunately not** 



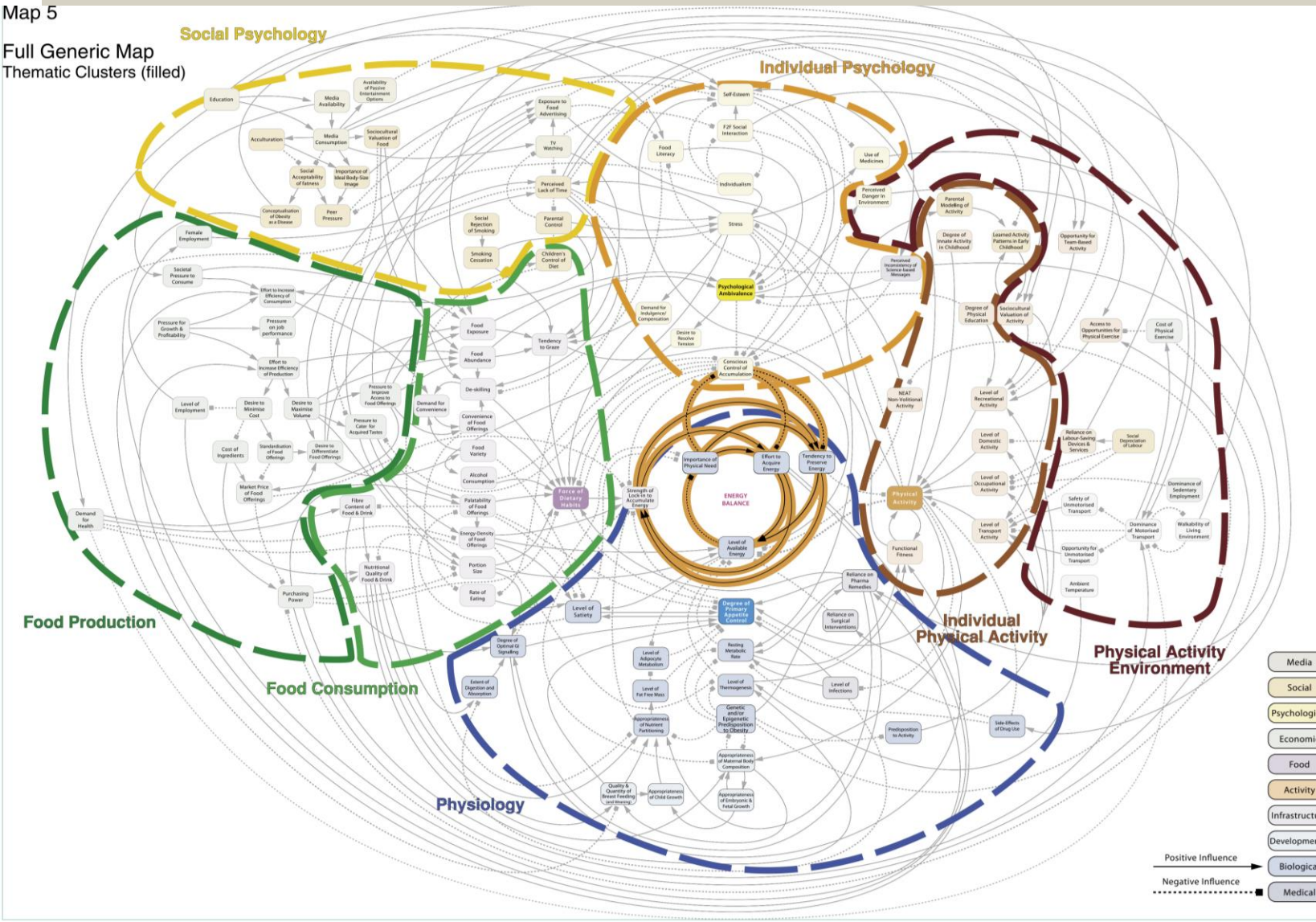
# A systems map of obesity



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Map 5

Full Generic Map  
Thematic Clusters (filled)



This map highlights the enormous range of different and interconnected individuals, social and economic systems that influence obesity.

[Source: Butland et al., 2007]



**And this makes life  
complex ...**



# Complex systems



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# Part 2:

# How are health and medicine doing?

**Great!**



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# **Heart bypasses on eighty year olds, key hole surgery, treatment for HIV/AIDS**

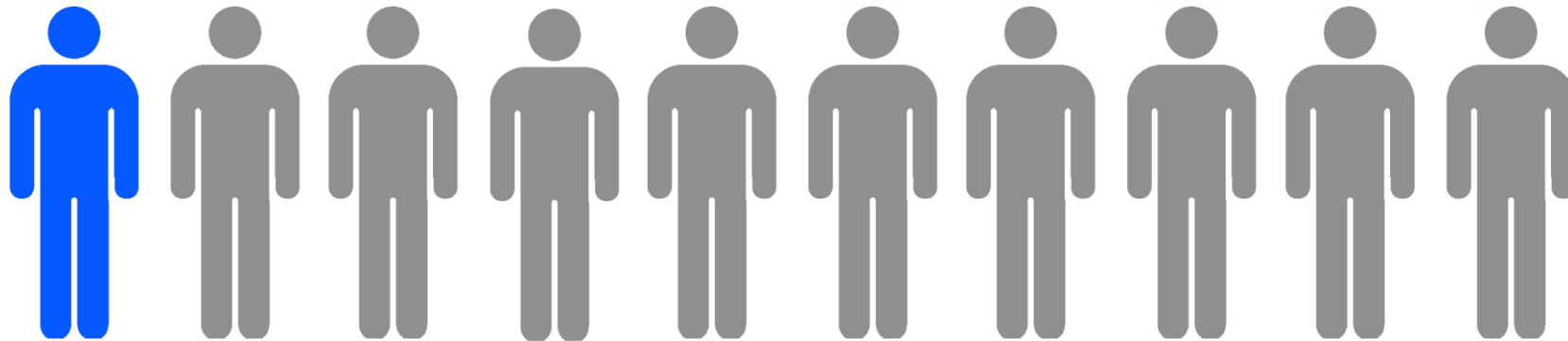
# Not so great



# But the rates of harm haven't reduced far enough



## They seem to have flatlined at 10%





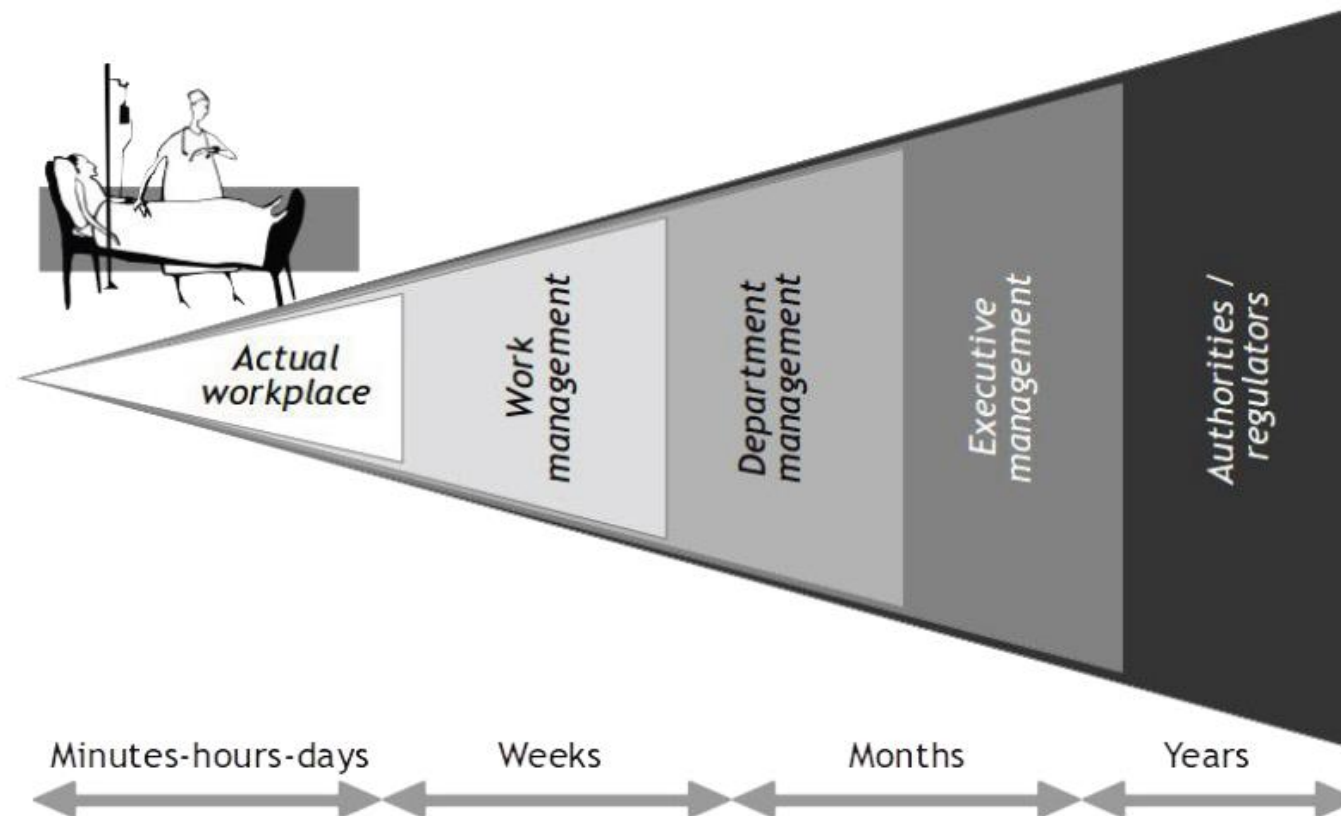
# Part 3: Resilience **WAI/WAD**





# WAI and WAD

**The sharp  
end:  
work-as-  
done**



**The blunt  
end: work-  
as-  
imagined**

Are you on  
this list?



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**Policy-makers, executives,  
managers, legislators,  
governments, boards of  
directors, software designers,  
safety regulation agencies,  
teachers, researchers ...**



**The blunt end  
tries to ...  
shape, influence,  
nudge behaviour**





**What they do  
seems perfectly  
logical, obvious  
and feasible**



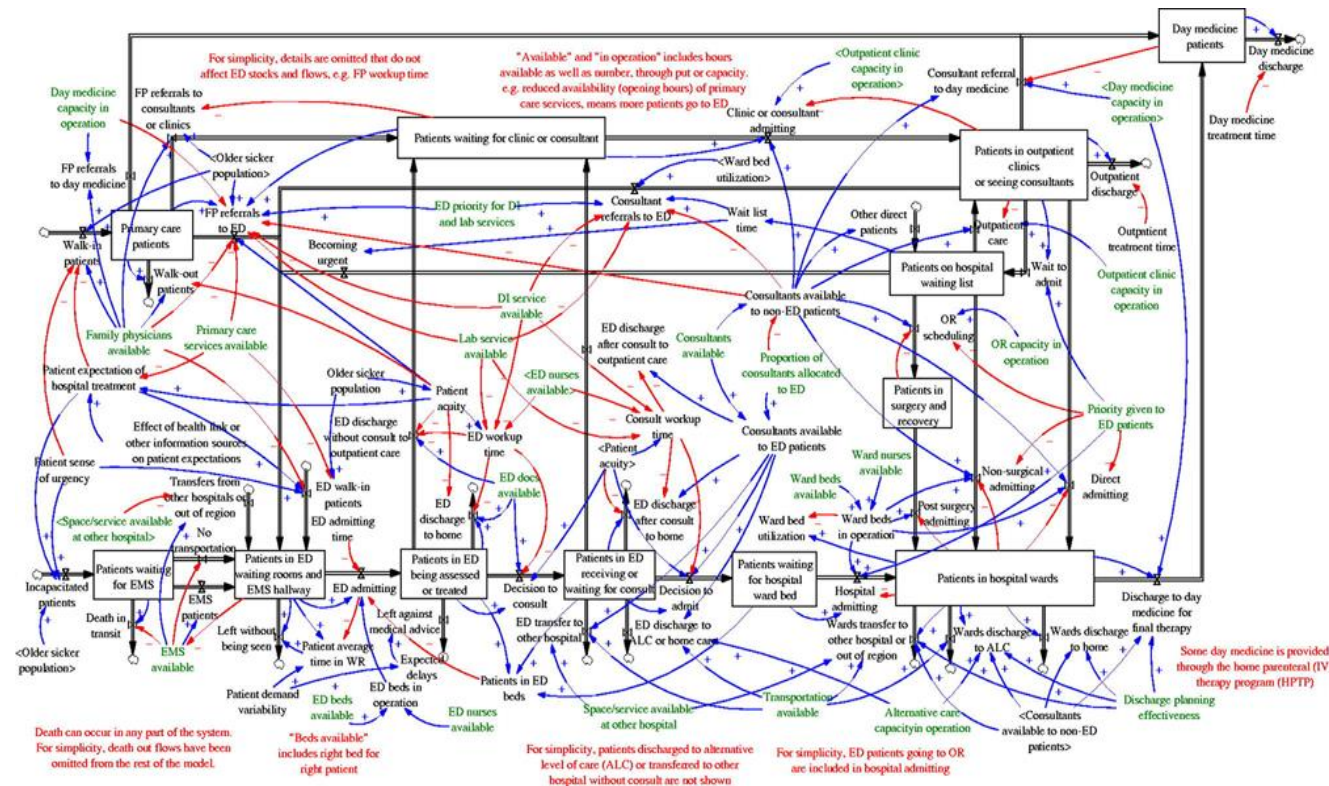




**In health care, those doing  
WAI have designed,  
mandated or encouraged a  
bewildering range of tools,  
techniques and methods, to  
reduce harm to patients.**



# On the front lines of care





**Meanwhile work  
is getting done,  
often *despite* all  
the policies, rules  
and mandates**





# WAD—workarounds



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Glove placed over a smoke alarm, as it kept going off due to nebulisers in patients' rooms



A leg strap holding an IV to a pole, as the holding clasp had broken

Plastic bags placed over shoes to workaround the problem a of gumboot (welly) shortage



## Doctors in Emergency Departments in a study:

- Were interrupted 6.6 times per hour
- Were interrupted in 11% of all tasks
- Multitasked for 12.8% of the time

# Doctors in EDs in a study:

- Spent on average 1:26 minutes on any one task
- When interrupted, spent more time on tasks
- And ... failed to return to approximately 18.5% of interrupted tasks





And therefore the  
only real solution is  
to try and *reconcile*  
*work-as-imagined*  
(WAI) and *work-as-*  
*done (WAD)*





**So some work-as-imagined folks  
often have some sort of linear,  
mechanistic view of the system.**

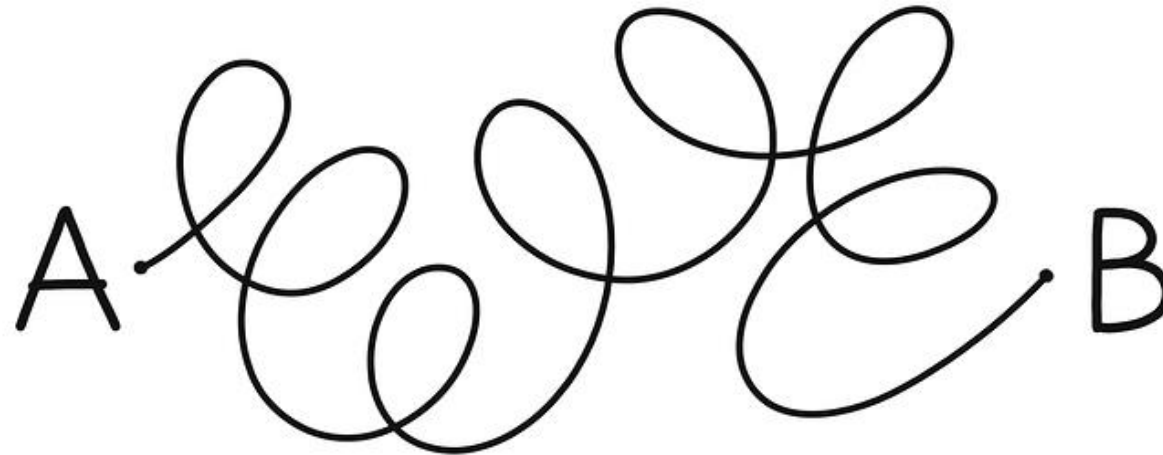




**Instead, health care is a  
complex adaptive system  
delivered by people on the  
front line who flex and  
adjust to the circumstances**



**And don't deliver care in the  
way blunt end  
prescriptivists want them to.**



# Part 4: Bringing it all together





# **Claim 1: Work-as-imagined**

**“After 25 years of evidence based medicine, care is evidence based.”**



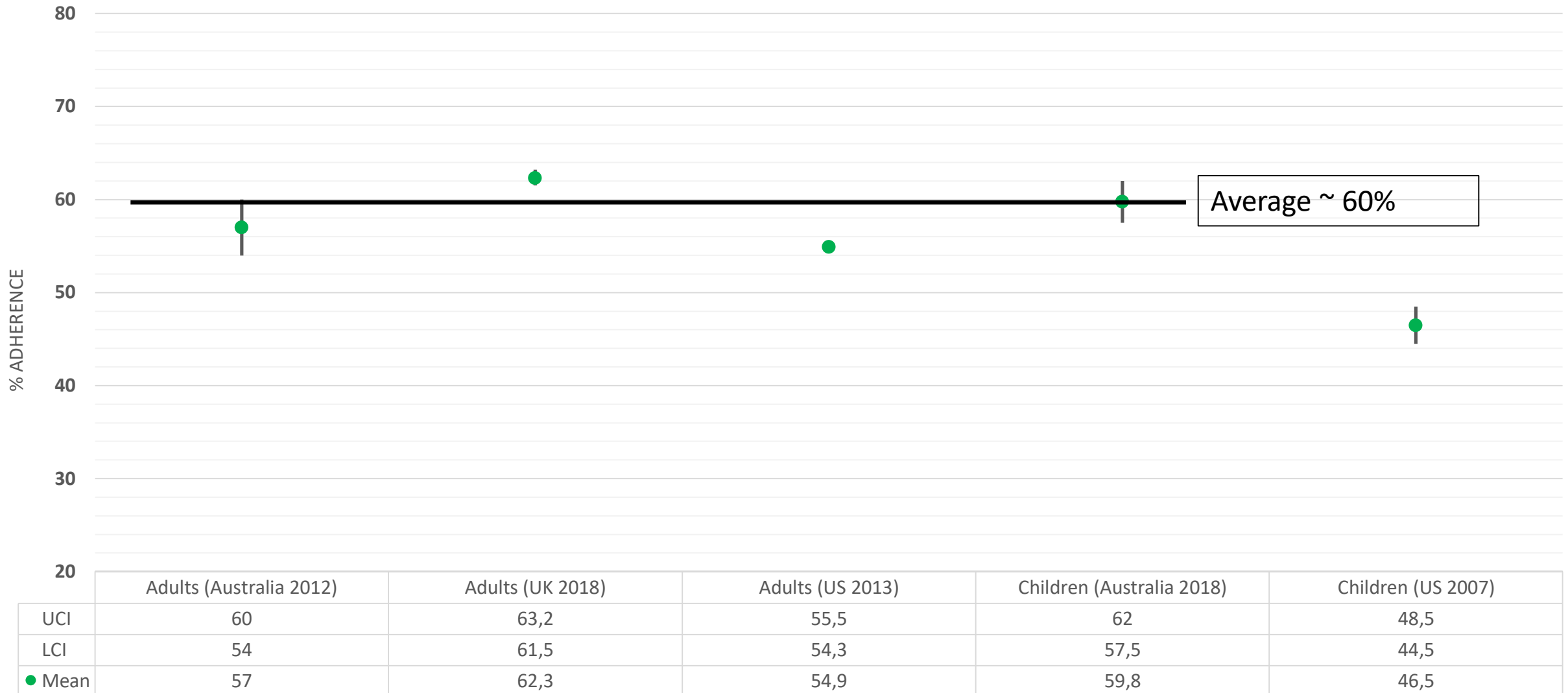
# **Audience poll:**

## **How much of care is in line with level 1 evidence or clinical guidelines?**

# Large scale appropriateness studies



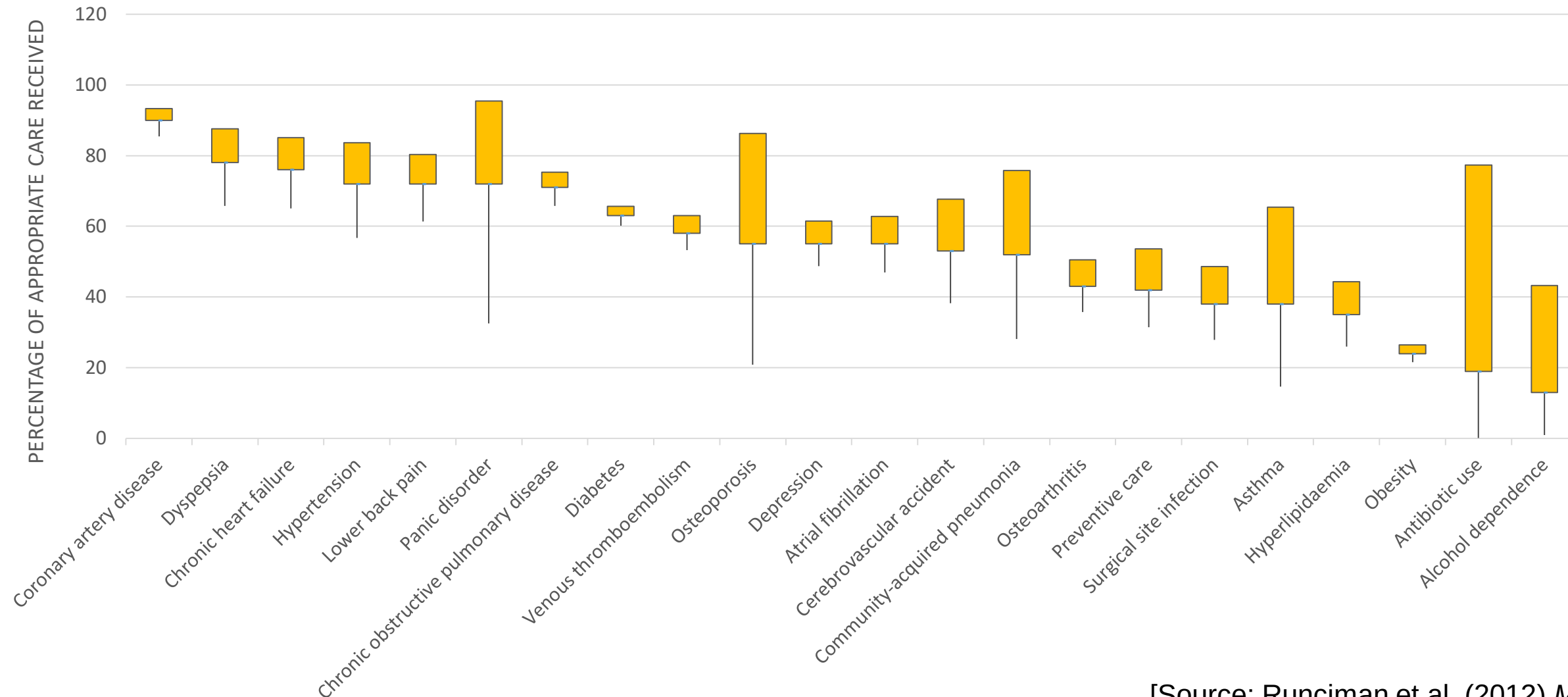
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# CareTrack Adults



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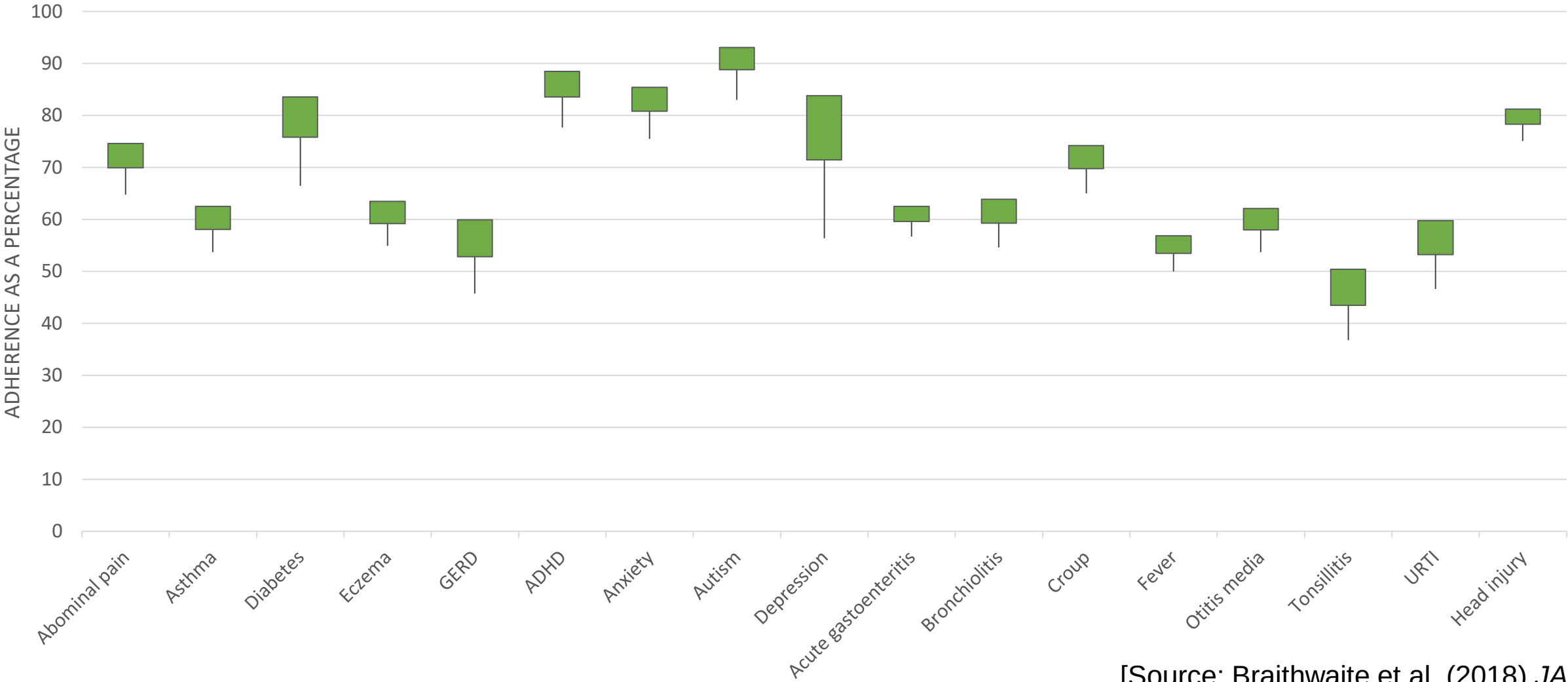


[Source: Runciman et al. (2012) *MJA*]

# CareTrack Kids



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[Source: Braithwaite et al. (2018) *JAMA*]





# Claim 2: Work-as-imagined

**“We use guidelines.”**

# Why don't people use guidelines?



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1. US National Academy of Medicine, Institute of Medicine: Crossing the quality chasm (2001)
2. McGlynn et al: The quality of health care delivered to adults in the United States (2003)
3. Mangione-Smith et al: The quality of ambulatory care delivered to children in the United States (2007)
4. Braithwaite et al: Quality of health care for children in Australia, 2012-2013 (2018)

Opinion

EDITORIAL

## Quality of Health Care for Children

### The Need for a Firm Foundation of Trustworthy Evidence

David C. Grossman, MD, MPH

[Source: Grossman DC. Quality of Health Care for Children: The Need for a Firm Foundation of Trustworthy Evidence. *JAMA*, 2018; 319(11):1096–1097. doi:10.1001/jama.2018.0161

# The need for a firm foundation of trustworthy evidence

Grossman argued that:

- When *Crossing the Quality Chasm* was published, the recommendations to improve care by using evidence-based clinical practice guidelines (CPGs) largely depended on trust
- Trust that doctors and organisations would use these CPGs
- As the CareTrack studies show ...

# The need for a firm foundation of trustworthy evidence



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**“Every clinician balances the certainty of evidence, community standards, expert opinion, and experience. Efforts to improve and measure the quality of care for children should first focus on building a firm foundation of trustworthy evidence in pediatric care” (p.1097)**

# Why don't people use guidelines?



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US trends and management of neck and back pain (1999-2010).

Described how prescribed care for neck and back pain were out of line with multiple CPGs.

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Invited Commentary

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## Why Don't Physicians (and Patients) Consistently Follow Clinical Practice Guidelines?

Donald E. Casey Jr, MD, MPH, MBA

In this issue of *JAMA Internal Medicine*, Mafi and colleagues<sup>1</sup> effectively describe national trends in the management of neck and back pain between 1999 and 2010. Using a large representative sample of patient encounters associated with *Interna-*

than 20 years. My recent query of the AHRQ National Guideline Clearinghouse returned 183 specific citations based on the search phrase "low back pain,"<sup>3</sup> attesting to the proliferation of internationally published guidelines. These

[Source: Casey, D. E. (2013) Why don't physicians (and patients) consistently follow clinical practice guidelines? *JAMA Internal Medicine*, 173(17):1581-1582]

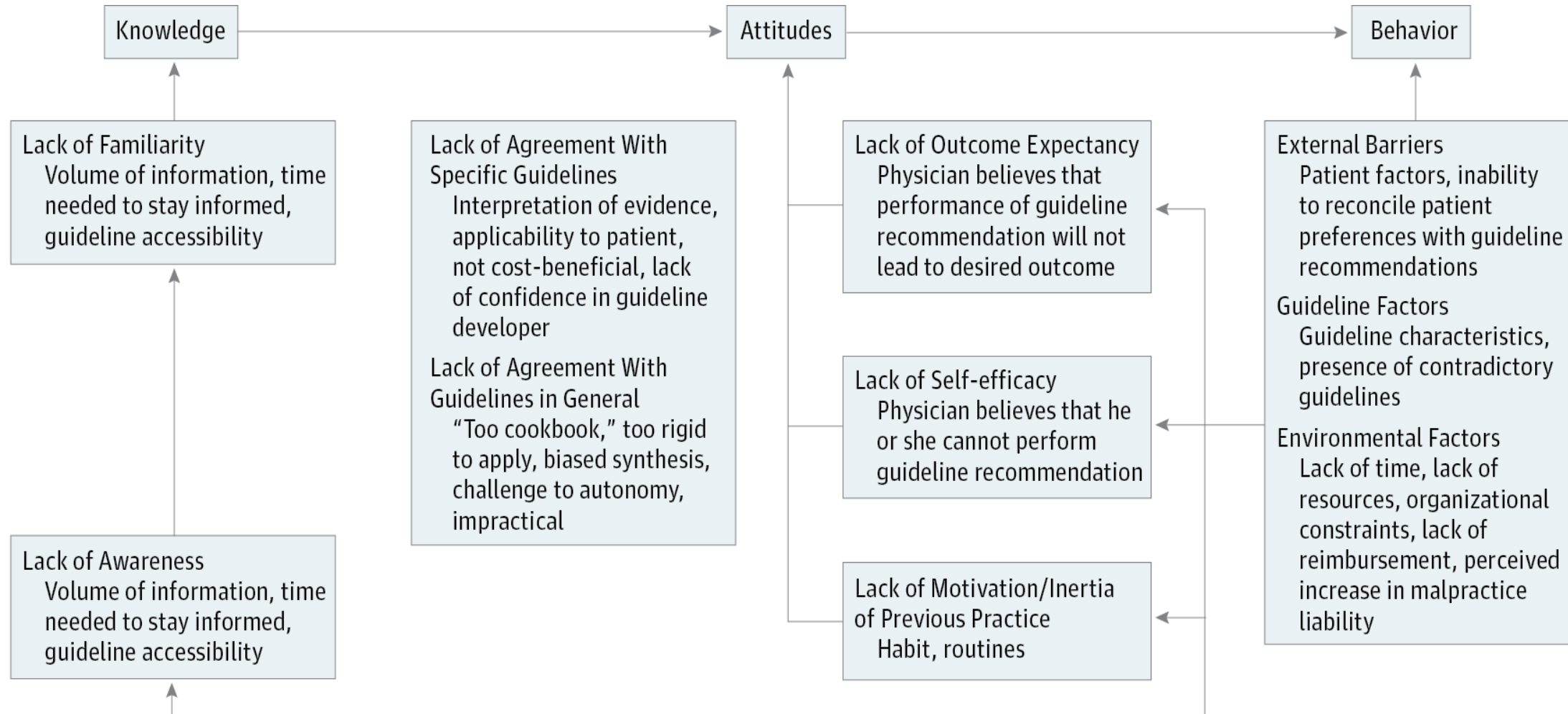
# Barriers to CPG adherence



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Sequence of  
Behavior Change

Barriers to  
Guideline  
Adherence



[Source: Cabana MD, Rand CS, Powe NR, et al. Why don't physicians follow clinical practice guidelines? a framework for improvement. *JAMA*. 1999;282(15):1458-1465.]





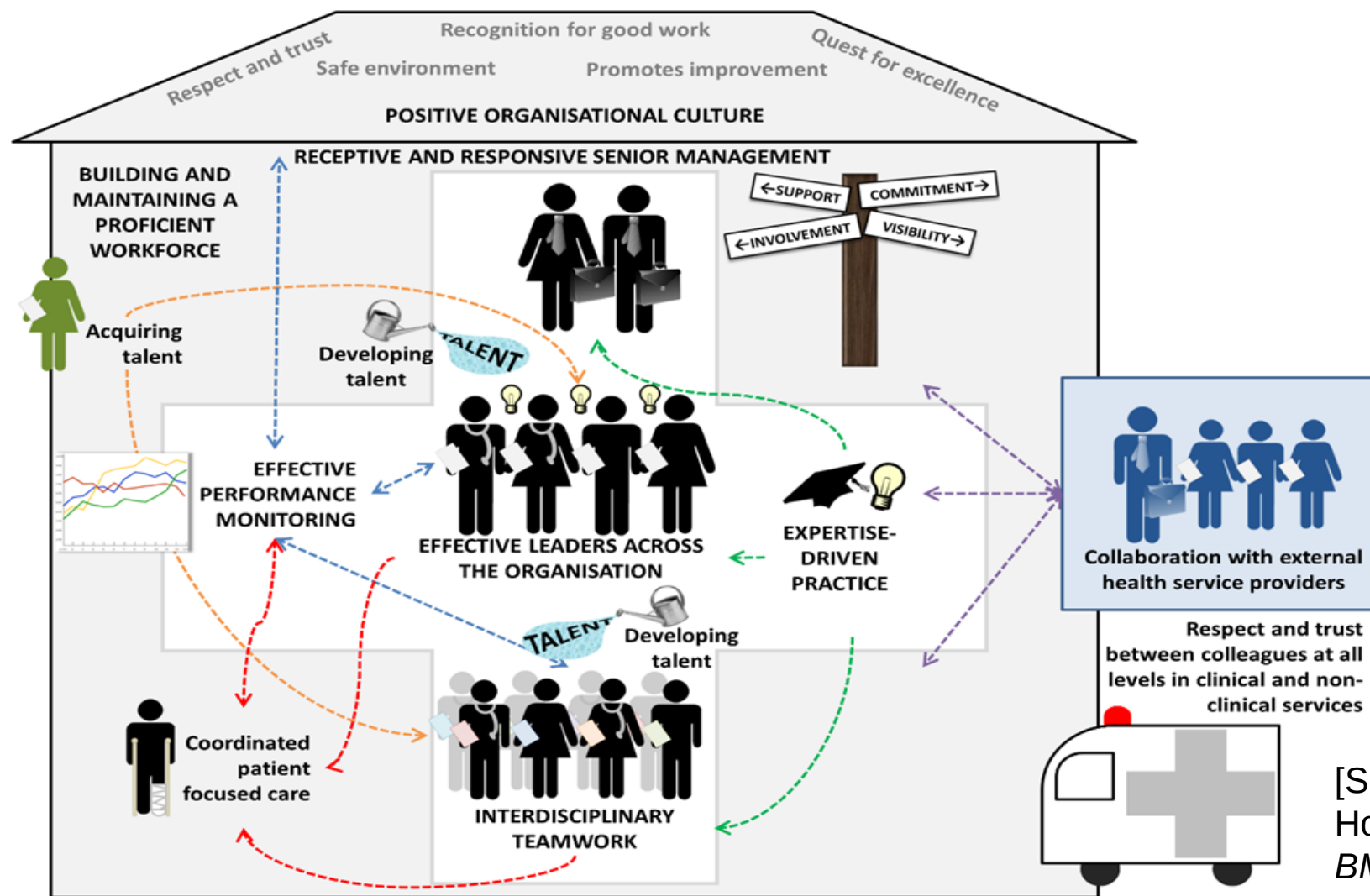
# Claim 3: Work-as-imagined

**“We are a high performing  
hospital.”**

# High performing hospitals



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[Source: Taylor, Clay-Williams,  
Hogden, Braithwaite, Groene (2015)  
*BMC Health Serv Res.*]

# High performing hospitals



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- **Positive organization culture**
- **Receptive and responsive senior management**
- **Performance monitoring**
- **Building workforce**

# High performing hospitals



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- **Evidence- or guidelines driven practice**
- **Inter-disciplinary teamwork**
- **Effective distributed leadership**

# Part 5: Penultimately ...



# A message to people advocating guidelines—learn how work actually works







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# A message to clinicians—guidelines can really help you





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# The bottom line?

# Guidelines can help in many cases



# Discussion: comments, questions, observations?



# Australian Institute of Health Innovation





# Acknowledgements



## **Complexity Science / Genomics**

Dr Kate Churruca  
Dr Louise Ellis  
Dr Janet Long  
Dr Stephanie Best  
Dr Hanna Augustsson

## **Human Factors and Resilience**

Dr Robyn Clay-Williams  
Dr Elizabeth Austin  
Dr Brette Blakely  
Teresa Winata  
Dr Amanda Selwood

## **Health Outcomes**

A/Prof Rebecca Mitchell  
Dr Reidar Lystad  
Dr Virginia Mumford

## **NHMRC Partnership Centre for Health System Sustainability**

Joanna Holt  
Prof Yvonne Zurynski  
Dr Trent Yeend  
Dr K-lynn Smith

## **Implementation Science**

Prof Frances Rapport  
Dr Patti Shih  
Mia Bierbaum  
Dr Emilie Auton  
Dr Mona Faris  
Dr Andrea Smith  
Dr Jim Smith

## **CareTrack Aged / Patient Safety**

A/Prof Peter Hibbert  
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Ms Charlie Molloy  
Pei Ting

## **NHMRC CRE Implementation Science in Oncology**

Dr Gaston Arnolda  
Dr Yvonne Tran  
Dr Bróna Nic Giolla Easpaig  
Dr Klay Lamprell

## **Admin and project support**

Sue Christian-Hayes  
Jackie Mullins  
Chrissy Clay  
Caroline Proctor

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Luke Testa  
Renuka Chittajallu



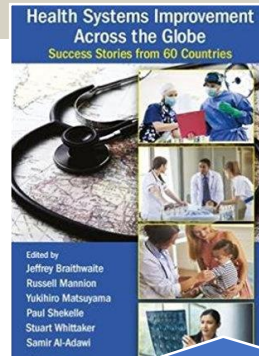
# Recently published books



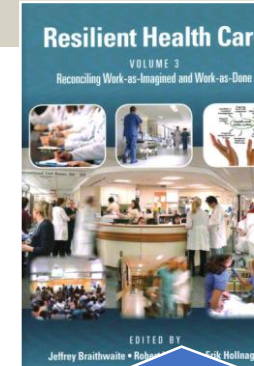
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2018-Healthcare Systems:  
Future Predictions for  
Global Care



2017 - Health Systems  
Improvement Across the Globe:  
Success Stories from 60  
Countries



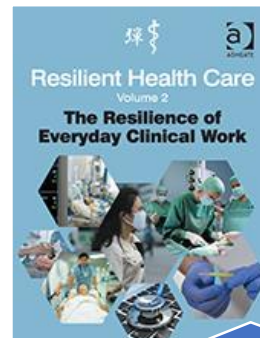
2017 - Reconciling Work-  
as-imagined and work-as-  
done



2016 - The Sociology of  
Healthcare Safety and  
Quality



2015 - Healthcare Reform, Quality  
and Safety: Perspectives, Participants,  
Partnerships and Prospects in 30  
Countries



2015 - The Resilience of  
Everyday Clinical Work



2013 - Resilient Health  
Care



2010 - Culture and  
Climate in Health Care  
Organizations

# Forthcoming books



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Gaps: the Surprising Truth  
Hiding in the In-between



Surviving the Anthropocene



Working Across Boundaries  
RHC Vol 5



Counterintuitivity: How your  
brain defies logic

# Contact Details

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|  | Wikipedia:    | <a href="http://en.wikipedia.org/wiki/Jeffrey_Braithwaite">http://en.wikipedia.org/wiki/Jeffrey_Braithwaite</a> |