

**The Care Informatics and Technologies project  
– enhancing capability, motivation and  
opportunities in Digital Health among health  
professionals and students**

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# Team/Funding

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- Senior Research Fellow: Dr Aline Beleigoli
- Work group:
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# The present and the future in Health



# The role of the workforce



“The National Digital Health Strategy can only be achieved through supporting a change management approach within the health and care workforce”

<https://conversation.digitalhealth.gov.au/>

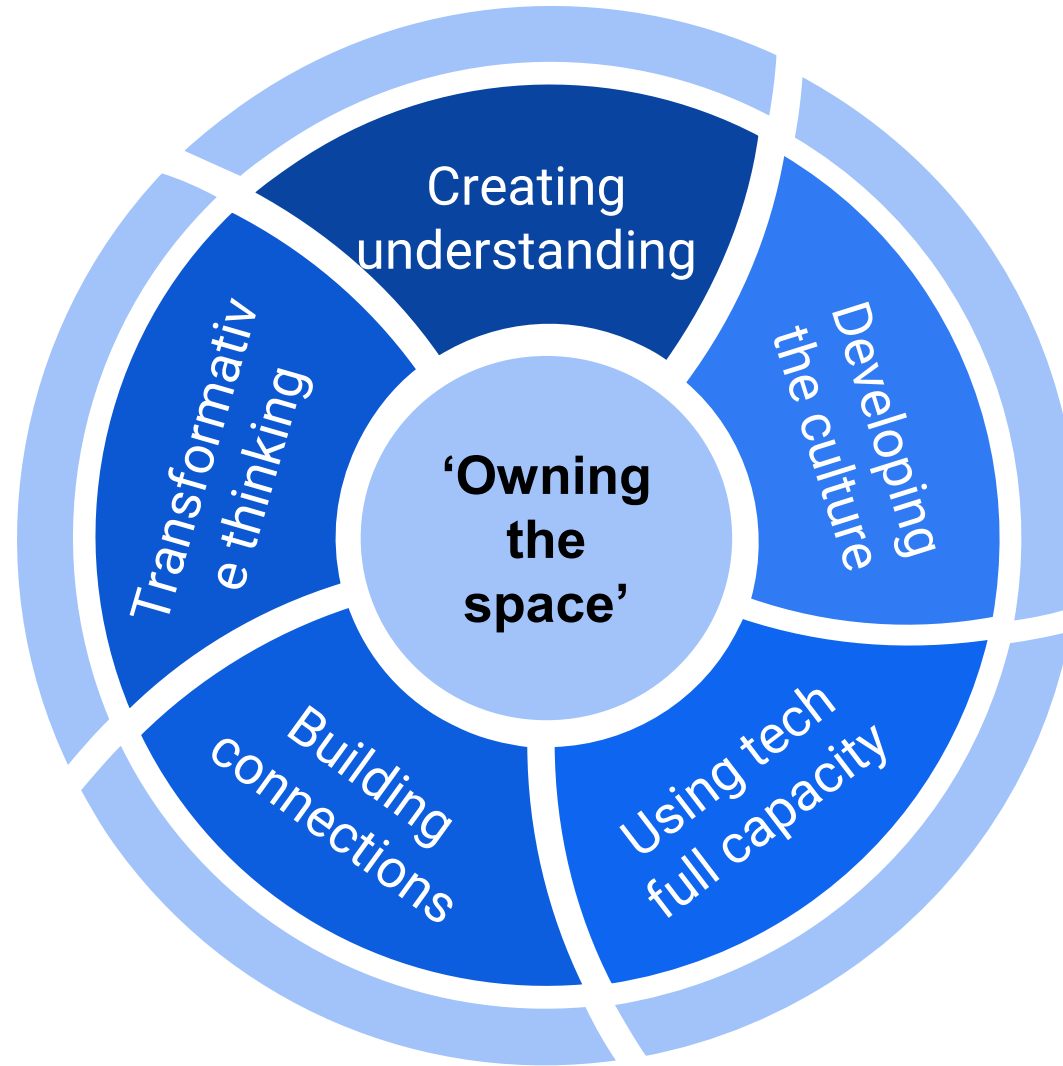
# Enabling the workforce

61% of the health professionals have never received any training in regards to the use of technologies

Health professionals have listed universities as the preferable place to have training in digital health



# Enabling the workforce



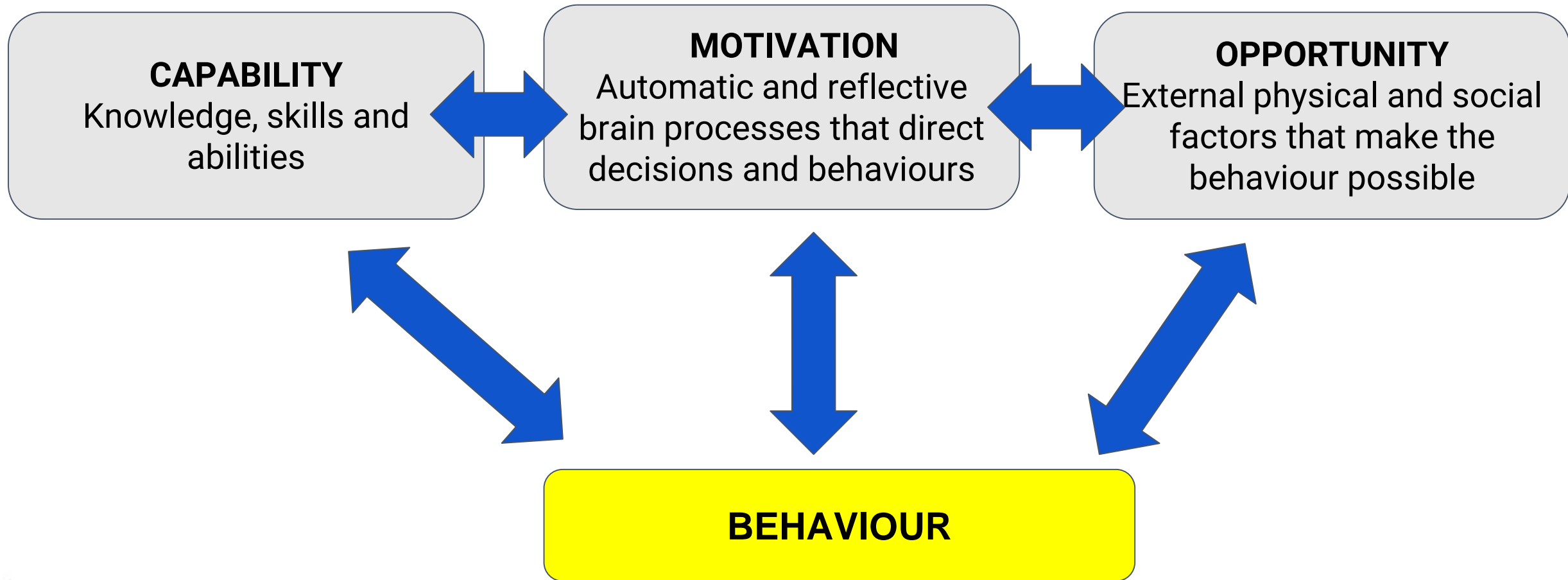
# How to sustain these initiatives?

*“Technology on its own, ... will not bring about changes in the **behaviours** of clinicians. An implementation strategy which addresses the barriers to effective adoption of these technologies will be critical to their success.”*

- Pharmaceutical Society of Australia

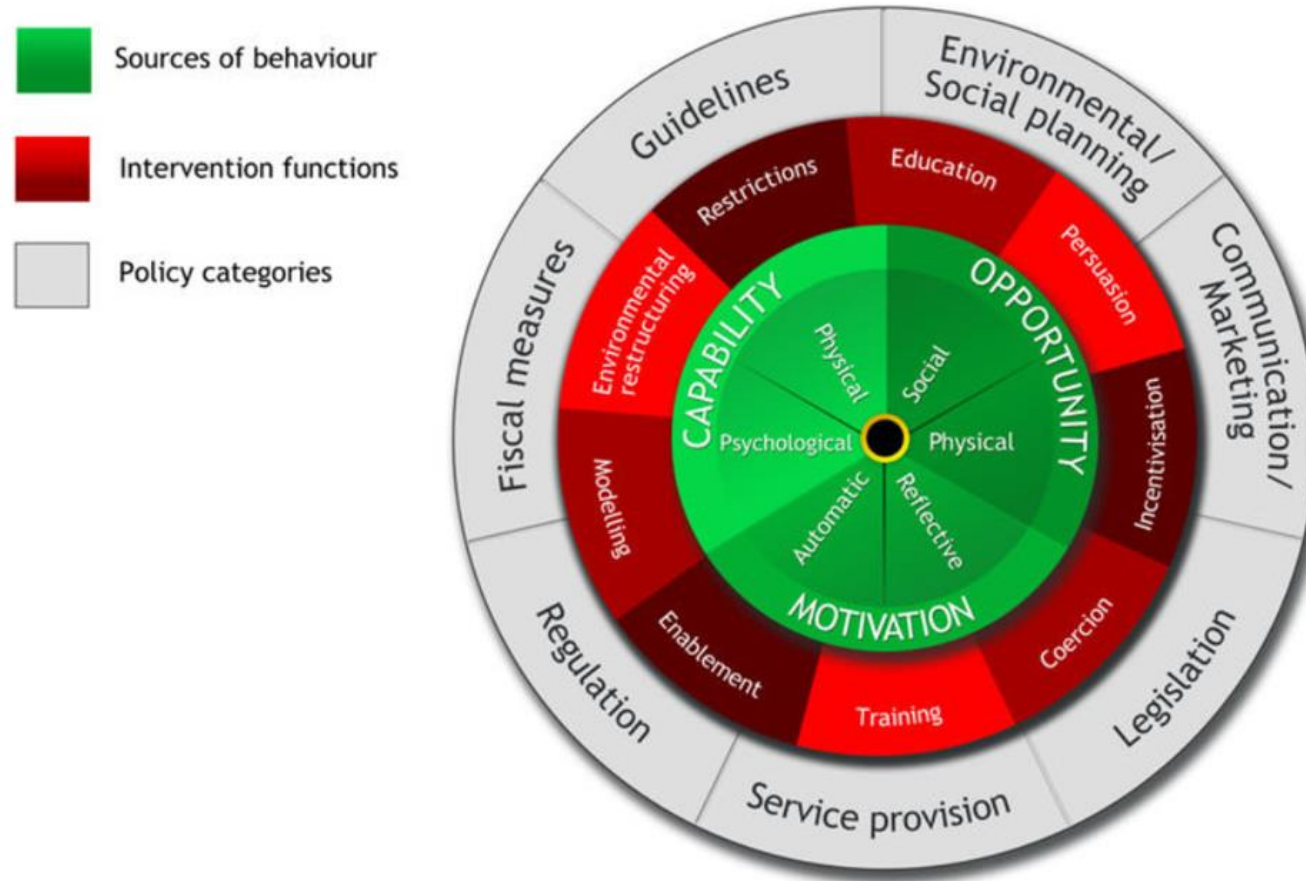
## It's about changing behaviours

# COM-B model





# Behaviour Change Wheel framework



# The Care Informatics and Technologies (CIT) Project

## Objectives

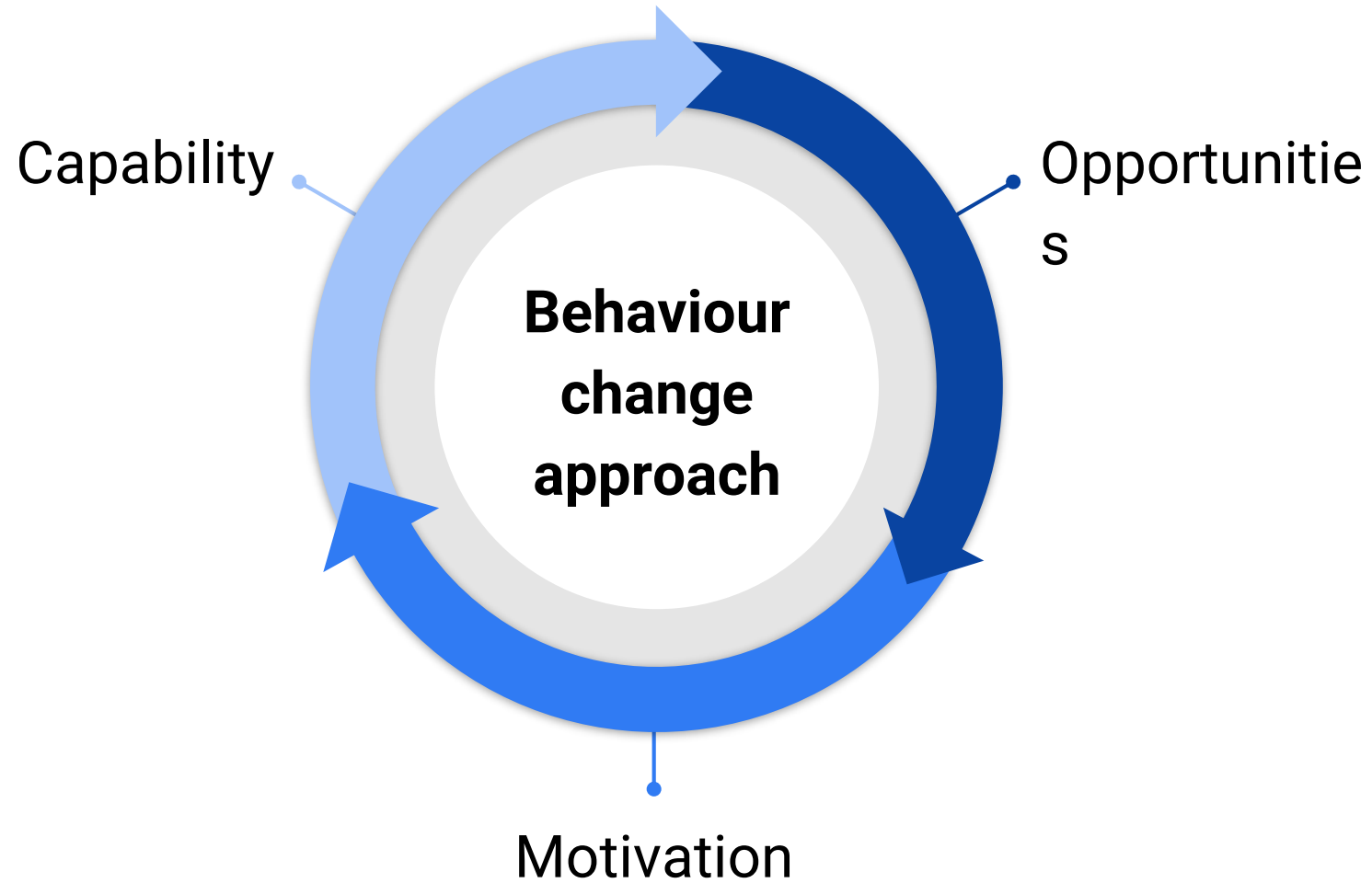
- Enable students/clinicians to proactively identify health systems challenges and lead digital health (DH) solutions
- Build capacity in health technology innovation within the CNHS

### Target audience

Undergraduate students  
Higher degree students  
Health professionals  
Researchers



# CIT project - Approach



# Capability

Behaviour change technique (BCT taxonomy v1)

Shaping knowledge

Enablement

**Learning portal**

<http://nhsprojects.com.au/>

Online education modules

Resources

Events

# Capability

01

*Expand workforce understanding of professional and vocational activity*

- Describe how DH can address needs in health
- Recognise benefits and hurdles to clients, providers, managers and systems

02

*Embed research and critical thinking as core skills through cross disciplinary activity and meta-analytic skills*

- Describe research principles in DH
- Understand challenges of interdisciplinary research in DH

# Opportunity

Social support (practical): Advise on, arrange, or provide practical help (e.g. from friends, relatives, colleagues, 'buddies' or staff) for performance of the behaviour

- Strengthen collaborations
- Build network



# Opportunity

Strategy	Learning outcomes	Target audience
Workshop 1	Identify health challenges and digital opportunities	Early career researchers
Workshop 2	Identify principles of meaningful collaboration in Digital Health research	Researchers with health and technology background
Workshop 3	Application of the principles of meaningful collaboration to their context	Researchers with health and technology background

# Opportunity

Enablement: increasing means/reducing barriers to increase capability or opportunity

2 PhD stipends: Building capacity of supervisors and students

<https://www.flinders.edu.au/scholarships-system/index.cfm/scholarships/display/b01f746>



# Motivation

## **Behaviour change techniques**

Comparison of behaviour

Demonstration of the behaviour

Social comparison

## **Leadership**

- Videos with champions of the college
- Participation of the champions in the workshops

# Informing future initiatives

- Understanding the staff and student's knowledge, attitudes and motivations in regards to care informatics, technologies and digitisation
- Online surveys and workshops activities



# CIT project – evaluation

## Key Performance Indicators

By the end of 2020

- Minimum of 5 research grants submitted in the DH arena
- Completion of the clinical digital modules by 20% of staff and students
- Participation in events with national health informatics partners

# Discussion

- WHO: health system challenges/clinical engagement should be the main drivers for the use of technologies in health.
- National Digital Health Strategy:

‘workforce that confidently uses digital health technologies to deliver health and care’  
need of a ‘strong consumer and clinician engagement and governance’

- Addressing all components of behaviour might increase the success of the project



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Thank you

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