Methods to improve digital literacy of health professionals to rapidly translate evidence into clinical practice

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Conflicts of Interest

The authors declare no conflicts of interest

Ethics

La Trobe University Human Research Ethics Committee (HEC22050)

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Background

Rapid adoption of digital technologies globally

The Best Heart Disease Apps of 2022

Instant Heart Rate | PulsePoint Respond | Blood Pressure Monitor | Cardiio |

Blood Pressure Companion | Qardio | FibriCheck |

Cardiac Diagnosis (Arrhythmia) | Blood Pressure Tracker

1. The Benefits of Using a Diabetes App
2. What to Look For in a Diabetes App
3. The Most Important App to Have for Managing Diabetes
4. Best Diabetes Apps for Tracking Food and Exercise
5. Best Apps for Tracking Blood Glucose
6. Best Apps for Diabetes Management and Education
7. Best App for Medical Emergencies

A NEW APPROACH TO PREGNANCY CARE

An Innovative Digital Maternity Pathway
+ Expertly designed by Midwives and clinicians.
+ Supporting the pregnancy journey
+ An adjunct to clinical care.

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Partnering University and Health Care

https://www.latrobe.edu.au/research/arch

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Aims

To understand the best, evidence-based methods to improve digital maturity, digital literacy and digital capability of nursing, midwifery, allied health and medical professionals working in healthcare settings

To understand training requirements to achieve the level of digital maturity and digital capability needed in healthcare organisations (across the globe)

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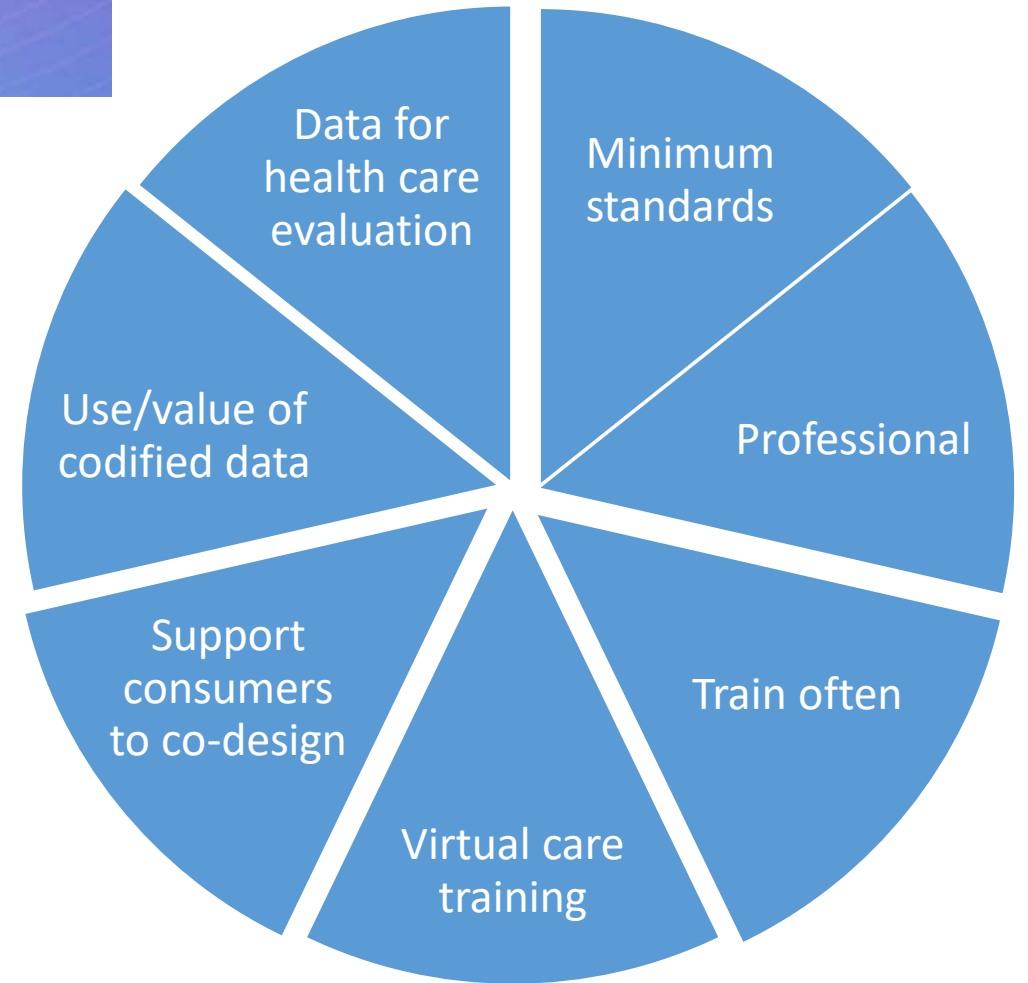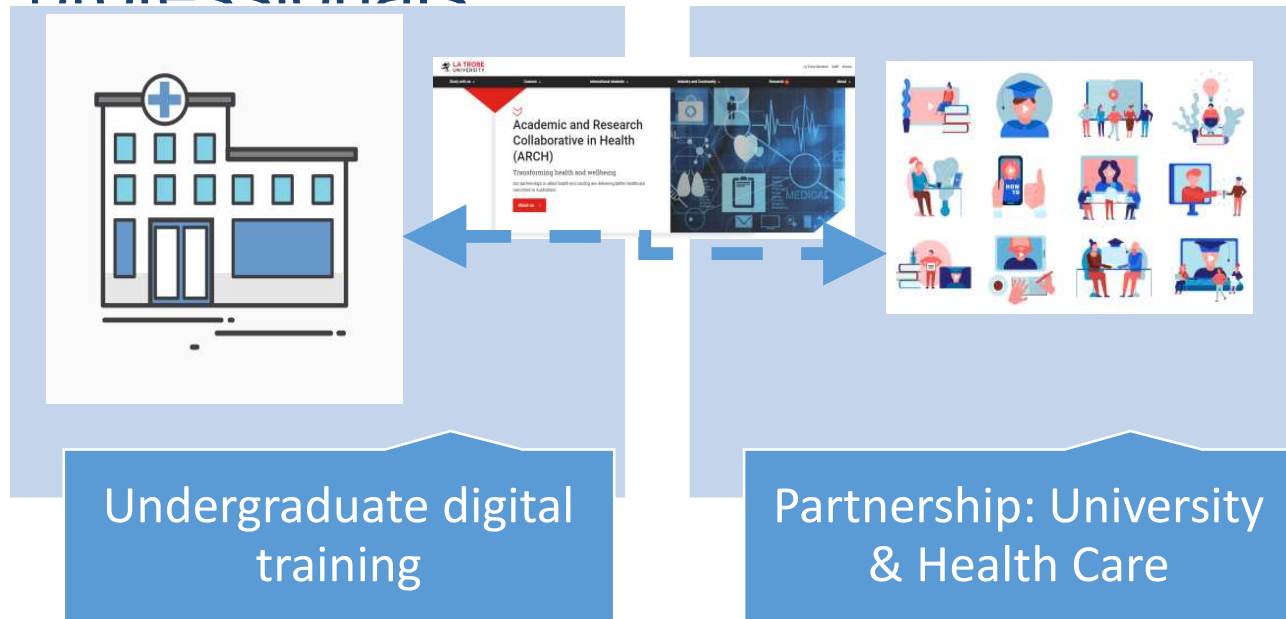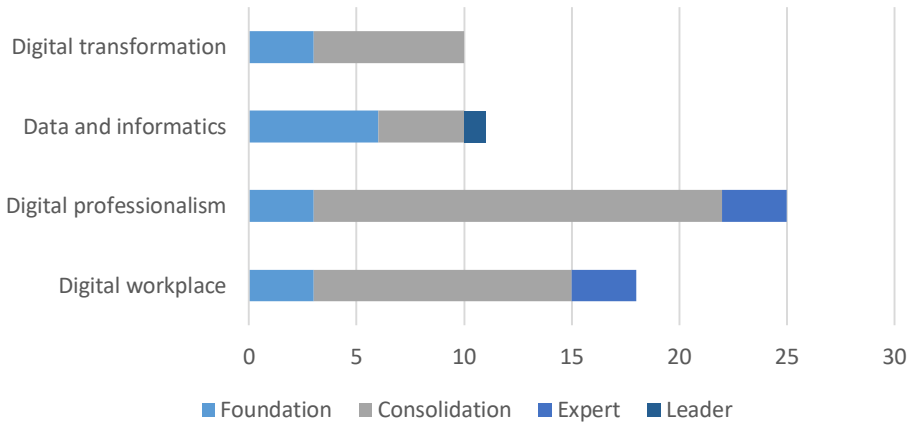
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Methods

Eight focus groups (n=23): adoption of tech-enabled care / online therapy

- ARCHs: University Academic Leader; Director of Nursing & Midwifery; Director of Allied Health

- Qualitative thematic analysis

  - Perceived barriers and enablers to adoption of digital technology

  - Education needs

  - Digital maturity / digital literacy – Likert scales (number of mentions)

Results

Strategies to improve digital literacy for health care professionals

Undergraduate digital training

Partnership: University & Health Care

Data for health care evaluation

Minimum standards

Professional

Train often

Virtual care training

Support consumers to co-design

Use/value of codified data

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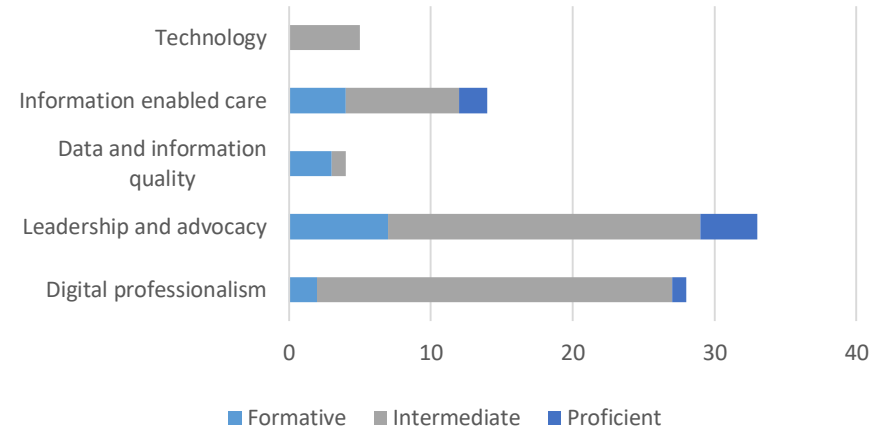
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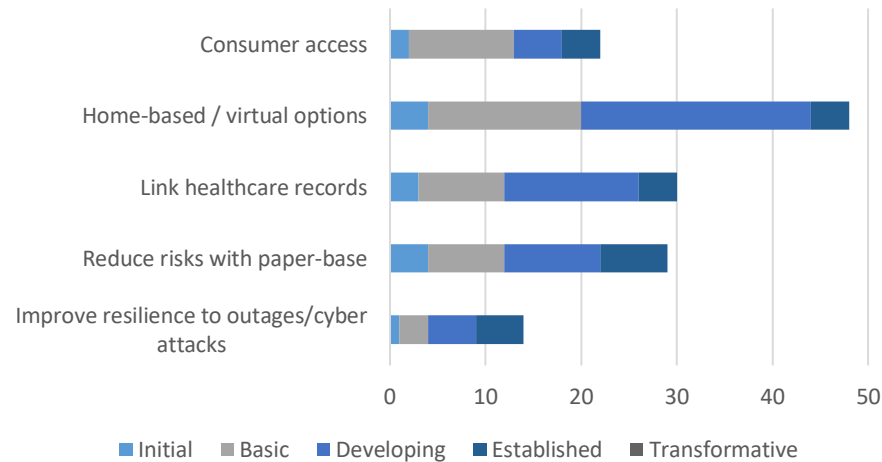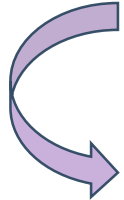
Results: digital capability/maturity

Self-rated digital capability: Allied Health workforce

Self-rated digital capability: Nursing & Midwifery workforce

Health services' self-rated digital maturity

Limits

Data collected in Australia and may not be generalisable to other countries or cultures
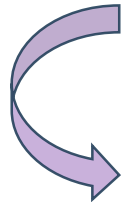
Conclusions

Validated evidence-based education tools needed

Improve digital literacy and capability in health professionals

Use of digital technologies

Safely and effectively deliver science-informed therapies

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