

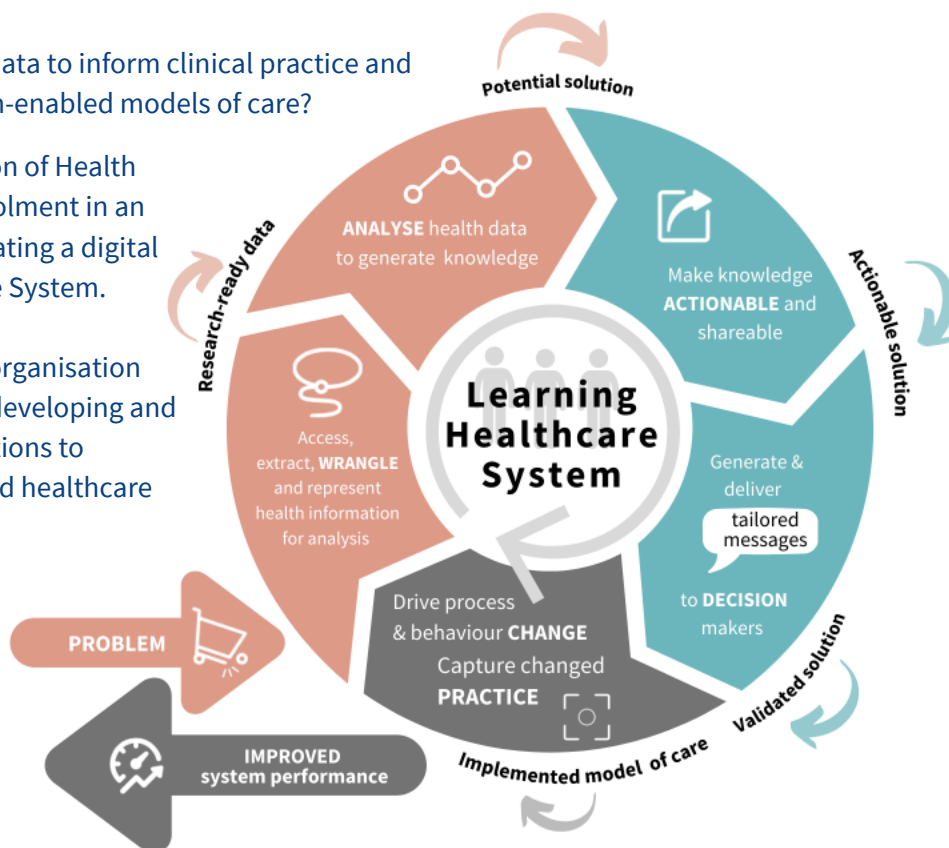
# Applied Learning Healthcare Systems

## Training the future champions of digital transformation of the health system.

Do you want to learn to use health data to inform clinical practice and to design and validate digital health-enabled models of care?

The Centre for Digital Transformation of Health (DT4Health) is offering selected enrolment in an online pilot of a short course on creating a digital health-enabled Learning Healthcare System.

This course is to support you, your organisation and ultimately the health sector in developing and implementing digital health innovations to improve clinical decision making and healthcare quality.



### What will I learn?

You will gain the fundamental knowledge and skills in clinical informatics and digital health that you need to apply the Learning Healthcare System approach to practice improvement:

- gain hands-on experience working through the phases of a Learning Healthcare System
- step through a scenario of improving diabetes management

<b>Data to Knowledge</b>	<ul style="list-style-type: none"> <li>• use real healthcare data to gain new knowledge to drive practice change</li> </ul>
<b>Knowledge to Practice</b>	<ul style="list-style-type: none"> <li>• design, build and validate components of a remote monitoring system</li> </ul>
<b>Practice to Data</b>	<ul style="list-style-type: none"> <li>• create an implementation and evaluation plan</li> <li>• measure whether digital health innovations actually work</li> </ul>

**Information session**

5:30-6:30pm  
Mon 23 August 2021  
Hear from program leaders, followed by a Q & A.

**REGISTER**

### What are the prerequisites?

- strong interest in the topic and commitment to complete the course and engage in real-time sessions
- no programming experience or healthcare expertise required
- agreement to take part in evaluation of this pilot, so that we can use the learnings to tailor future programs to meet health sector needs

## Who is leading this course?

Centre for Digital Transformation of Health faculty are interdisciplinary experts in leading and facilitating learning.

**D2K**

Dr Douglas Pires  
Associate Professor Brian Chapman  
Professor Wendy Chapman  
A/Prof Jo-Anne Manski-Nankervis

**K2P**

Dr Daniel Capurro  
Professor Jim Buttery  
Dr Oliver Daly  
Dr Kit Huckvale

**P2D**

Professor Kathleen Gray  
Professor Jill Francis  
Associate Professor Graeme Hart

## What is a digital health-enabled Learning Healthcare System?

The Learning Health System (LHS) approach aims to streamline improvements to individual and population health by bridging the evidence-to-practice gap. Patients and clinicians:

- collaboratively build evidence
- apply it for innovation, quality, safety, and value in health care

### Key features

- use data to generate new knowledge (D2K)
- use knowledge to inform practice (K2P)
- change practice to measurably transform services and outcomes (P2D)

Foundations of an LHS are research methodologies in health informatics, health systems, and health services, which together can drive the digital transformation of a healthcare system.



## Time commitment

Fully online, weekly sessions from **4 October** to **13 December 2021**, with a weekly commitment of:

- 4-6 hours of self-paced learning
- online sessions in real time of 2 ½ hours for group work, facilitated by teaching staff and tutors from **6:30-8:45pm, Tuesday evenings**
- participation in a moderated online discussion forum to share collective knowledge

## What will I get at the end?

You will receive a Certificate of Completion from the Centre for Digital Transformation of Health, at The University of Melbourne.

## Cost

The course fee of \$1500 will be waived for up to 35 participants.

## Inquiries

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[APPLY](#)

[MORE INFO](#)

## REGISTER

your interest by **10 September 2021**

## AM I IN?

If you're accepted, you'll be notified by **17 September 2021**

Centre for  
Digital  
Transformation  
of Health

CONNECTING  
DIGITAL INNOVATION  
TO HEALTH