

# PUBH 7032 PATIENT-CENTRED DIGITAL HEALTHCARE

**Credit Points** 10

**Legacy Code** 401367

**Coordinator** Luckman Hlambelo ([https://directory.westernsydney.edu.au/search/name/Luckman Hlambelo/](https://directory.westernsydney.edu.au/search/name/Luckman%20Hlambelo/))

**Description** Patient-Centred Digital Healthcare introduces students to consumer engagement and consumer informatics approaches and many other examples of innovations using data analytics and digital health strategies in clinical, community-based, and home-based settings. Students will learn about the role of Patient-facing Technologies to empower patients and improve safety and the importance of standardisation of the electronic management of healthcare information and the automation of clinical processes in delivering patient-centred care. Central to fulfilling this role is ensuring that care is delivered in a safe and effective manner. Students are encouraged to identify, articulate, reflect upon, and value digital health technologies in their local health services.

**School** Health Sciences

**Student Contribution Band** HECS Band 2 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Postgraduate Coursework Level 7 subject

**Co-requisite(s)** For students enrolled in 4778 Graduate Diploma in Digital Health and 4698 Master of Health Science 2-year and 15-year pathways

PUBH 7031 Health Systems and Policy

Note Students in the 1 year pathway will need to complete a rule waiver form to enroll in this unit

## Restrictions

Students must be enrolled in a postgraduate program.

## Learning Outcomes

On successful completion of this subject, students should be able to:

1. Appraise the range of patient-facing technologies available in Australia and how these technologies fit within the wider National Digital Health Strategy for Australia
2. Evaluate technical, policy, design, and implementation issues associated with consumer-facing technologies
3. Critically analyse the evidence-base for consumer engagement and consumer informatics approaches
4. Create innovations using data analytics and digital health strategies in clinical, community-based, and home-based settings
5. Illustrate ways in which health systems are using informatics approaches to make a difference both in personal as well as population and community health
6. Examine policy and regulatory issues on value-based purchasing, community health, ethics, open science and data analytics, and how Australia and other countries developed their national digital health strategies.

## Subject Content

- 1.Consumer and Patient Engagement in health and healthcare
- 2.Using digital health to support patient-centred care
- 3.The role of social media in the democratisation of healthcare
- 4.Understanding Usability and Human-Centred Design Principles
- 5.Accessibility for Health IT
- 6.Behaviour Change Design
- 7.Consumer-Centred and Consumer-Generated Information
- 8.Telemedicine and eHealth
- 9.Patient Portals and Feedback Loops
- 10.Policy and regulatory issues in digital healthcare

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Professional Task	5 x 350 words	25	N	Individual	N
Professional Task	1,000 words	35	N	Individual	N
Professional Task	2,500 words	40	N	Individual	N

### Prescribed Texts

- Edmunds, M., Hass, C., & Holve, E. (Eds.). (2018). Consumer Informatics and Digital Health: Solutions for Health and Health Care. Springer.

### Teaching Periods

## Spring (2025)

### Online

### Online

### Subject Contact

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=PUBH7032\\_25-SPR\\_ON\\_2#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=PUBH7032_25-SPR_ON_2#subjects))