

Symposium

Monday 5 October 2020

3.30-5.00pm

[Webinar, Passcode 3076](#)

Can new technologies reduce the KNOW-DO gap in order to optimise chronic disease management in Australia?

Prof Brian Oldenburg

Topic: A new national research collaboration with Northern Health to improve the use of new technologies to transform Australia's chronic disease outcomes

Synopsis: Brian will overview a new research program with Northern Health and other health services around Australia which aims to improve the application and widespread use of new information, communication and monitoring technologies to improve the management of heart disease, diabetes, mental health and other conditions, thereby transforming Australia's health outcomes.

Dr Dominika Kwasnicka

Topic: A digitally enabled, transformative approach to prevent and treat chronic and mental health conditions in populations

Synopsis: The COVID-19 crisis has significantly increased levels of psychological and social distress in the community and in people with chronic conditions who often avoid using face-to-face services. This presentation will describe the methods our team is using to develop and evaluate an e-hub to help such individuals to navigate to existing digital and human resources and supports. This approach will serve as a model for the contemporary, data driven approach to the implementation of evidence-based guidelines and interventions in healthcare.

Dr Tilman Dingler

Topic: Let's Talk about Health: The Use of Conversational Agents in Digital Health

Synopsis: Technological developments in ubiquitous sensing, data source integration, and machine-learning offer new opportunities for patient care outside the hospital. This presentation will cover the development of systems that engage patients via text interfaces—i.e., chatbots—or via spoken language—i.e., voice assistants. These conversational agents present a natural interface to help patients navigate health services and manage chronic conditions. Together with unobtrusive and continuous collection of health data, conversational agents provide a novel and deeply personalized access to digital health care.

A/Professor Jo-Anne Nankervis

Topic: Optimising care in general practice using digital tools

Synopsis: Jo-Anne will briefly introduce three digital tools: Future Health Today, CovidCare and an app for collecting Patient Reported Outcomes Measures from people with type 2 diabetes, which aim to provide new pathways for optimised care in general practice.



RESEARCH WEEK
5-9 OCTOBER 2020
INSPIRED RESEARCHERS
Northern Health