

COURSE REPORT

- **e-Health**

By

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COURSE DESCRIPTION

The MOOC, "eHealth: More than just an electronic record!", is multidisciplinary in nature, and aims to equip the global audience of health clinicians, students, managers, administrators, and researchers to reflect on the overall impact of eHealth on the integration of care. It explores the breadth of technology application, current and emerging trends, and showcases both local and international eHealth practice and research.

The entire eHealth Course consists of 5 modules and takes about 5 weeks to complete. Completion certificates are issued on the basis of participation in all 5 modules. Completing the health practice assignment in Module 5 entitles you to advanced standing in some of the eHealth courses run by the Faculty of Health Sciences, University of Sydney.

Length: Self-paced 5 week course

Study time commitment: 3 hours per week

Assessable components: Assignment 1 in Module 2 (40%) and Assignment 2 in Module 5 (60%).

OBJECTIVES OF THE COURSE

- To learn the fundamentals of eHealth and where it is heading
- To understand what kind of health data we are currently collecting and how it will transform healthcare in the future
- To know how new technologies are helping health consumers participate in their own healthcare
- To understand how eHealth can improve the coordination and efficiency of healthcare and what the barriers might be.

COURSE CONTENT

This course contains 5 modules each modules are having several lessons which are as follows:

Module 1 - What is eHealth?

This module contains:

- Lesson 1: An Introduction to eHealth
- Lesson 2: What the experts say
- Lesson 3: Introductory learning activities

Module 2 - Health in our Hands

This module contains:

- Lesson 1 - Health in your hands
- Lesson 2 - Collecting your own data
- Lesson 3 - Apps, social media and health online
- Lesson 4 - Designing and evaluating eHealth solutions

Module 3 - Data and the "Quantified Self"

This module contains:

- Lesson 1 - Introduction
- Lesson 2 - Electronic health records

- Lesson 3 - Predictive and precision medicine
- Lesson 4 - Patient reported data
- Lesson 5 - Privacy and security
- Lesson 6 - Using data to improve performance

Module 4 - Interacting with Health Professionals using New Technologies

This module contains:

- Lesson 1: Improving access to healthcare
- Lesson 2: Innovations in healthcare
- Lesson 3: Supporting health professionals

Module 5 - eHealth in Professional Practice

This module contains:

- Lesson 1: Course review
- Lesson 2: eHealth case study examples
- Lesson 3: Assignment guide and peer review

LEARNING METHODOLOGY

The methodology used for each modules in this course are :

Documentary videos for topics

Readings

Practice exercises

Discussion forums

e-Paper reviews

Assignments

Graded Peer Review Assignment

KEY LEARNING FROM THE COURSE

This course focuses on different facets of e-health and a great introduction to how digital technology, especially apps, data and communication technology, is being used to support health and healthcare management. This course includes an introduction to a framework to rate apps more objectively (MARS) of particular value. It also gave me multiple examples from clinicians on how digital technology is being deployed to improve healthcare delivery and quality.

The framework OF eHealth course helped me to understand how various healthcare policies and health departments work in different countries like Australia and UK. It provided me an idea to work more on how ehealth be made feasible in implementation. This Course is having a comprehensive content for the current trends in technology.

Module 1 key learning

E health: e-health is an emerging field in the intersection of medical informatics, public health and business, referring to health services and information delivered or enhanced through the Internet and related technologies.

- Compare definitions of eHealth from both health consumers and professionals
- Recognize an eHealth model which illustrates how key eHealth domains intersect to impact on health care
- Develop an insight into the fundamental principles of eHealth
- Appraise your own awareness of eHealth in current practice
- Interpret the current and future challenges of eHealth for both health consumers and health practitioners

Module 2 key learnings

- Understand the potential of mobile technology to support the shift from “healthcare” to “health”.
- To know about “wellness” and “healthcare” mobile apps currently in use.
- Consider strategies for including mobile health apps in public health professional practice.
- Be aware of issues around the design and evidence for effective health apps.

Module 3 key learnings

- Learn about current trends in electronic data in healthcare
- Understand importance of privacy and security of data.
- Using data to improve our performance.

Module 4 key learnings

- Describe a range of innovative eHealth interactions between consumers and healthcare professional
- Evaluate the advantages of technology based eHealth services in improving access and communication in healthcare.
- Appreciate the differences between online and face to face health service interactions
- Consider new models of healthcare supported by telehealth, social media and personalized apps
- Appreciate how eHealth can be used to support professional development.

Module 5 key learnings:

- Review a variety of case based examples of eHealth in professional practice.
- Provided an evidenced based rationale for adopting an eHealth strategy suitable for your own professional practice.
- Description of anticipation the strategy improving healthcare services for both yourself and healthcare consumers.
- Used eHealth principles from previous modules to review and comment constructively on those eHealth strategies suggested by other course participants.