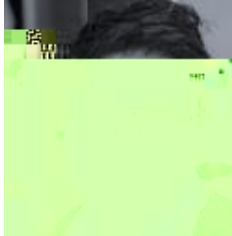## Case Study — Embedding digital health education into pre-registration health degrees

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This case study focuses on providing insights into the follow key questions about innovation in assessment:

1. **Context:** Provide a brief background about your institution, your learners and assessors.

2. **Purpose:** Explain the rationale for your innovation in assessment   what problems or challenges were you attempting to address through your approach?

3. **Design:** What are some smart design principles you used to maximise the success of your assessment innovation? (Consider any international guidelines i.e. AMC standards)

4. **Implementation:** What challenges did you face in implementing the new approach? How did you maximise a smooth transition and take up of the new approach?

5. **Evaluation:** How did you evaluate the success of your assessment innovation? On reflection, what if anything would you do differently if you knew what you now know?

6. **Future focus:** What are your next steps and what are you working on now to further improve your system of assessment?

CONTEXT

160 years ago. A highly complex organisation, the University relies on a variery of highly skilled experts in education, research and professional sevices. It comprises four faculties (Medicine and Health, Science, Engineering, and Arts and Social Sciences) and over 25 Schools.

The Faculty of Medicine and Health (FMH) brings together the areas of dentistry, medicine, medical sciences, nursing and midwifery, pharmacy, health sciences and public health to facilitate a multidisciplinary approach to solving modern day healthcare problems. By integrating the best minds and resources from seven schools, nine clinical schools, and a large number of disciplines and research bodies, FMH is designed to harness collaboration and translate research into education and clinical practice.

to fully equip students with the leadership capabilities, clinical skills and human understanding required to make a genuine difference to the lives of individuals and communities. The University offers the largest range of health courses of any Australian university, giving students a variety of ways to pursue their passion for health.

Established in early 2020, the Discipline of Biomedical Informatics and Digital Health (BIDH) aims to pursue a future in which health data and information are seamlessly integrated into biomedical discovery and the continuous improvement of health and healthcare. To deliver on this mission, they build on the existing capabilities of the University by facilitating multi-disciplinary collaboration across faculties and the Digital Health and Informatics Network, as well as with state and local health organisations and leading international groups in biomedical informatics.

understand experiences and perceptions of eMR access during clinical placements, including perceived benefits and risks, barriers to access, skill and confidence in using eMRs, quality of eMR training, and additional support needed. Data from surveys and interviews are currently being analysed. Findings will be used to guide eMR-focused curriculum content and will be disseminated to health service partners to inform clinical placement policies and procedures.

3. **Identification of a simulated eMR for teaching**: Consultation with simulation leads in the 10 health disciplines across FMH was undertaken to determine what eMR features and functions are required in a simulated eMR to support teaching. This allowed identification of 12 education requirements, 16 data requirements and 7 features/functions for the simulated eMR. The next step includes identifying or modyfting an acamdic eMR to meet these needs.

IMPLEMENTATION

Interviews performed with academics at the University of Sydney in 2017 revealed four key barriers to embedding digital health teaching in to health professional degrees: perceived

practical challenges such as a crowded curriculum. Mitigation has involved working closely with unit coordinators to identify current content and with each discipline to ensure material is