



<b>Project Title: A novel approach for professional development: Harnessing electronic health data to personalise online training for early career doctors</b>		<b>Code: FHS10</b>
<b>Host School / Institute:</b> <a href="#">Faculty of Health Sciences/ Charles Perkins Centre</a>		<b>Address:</b> Charles Perkins Centre
<b>Certificates &amp; Clearances required:</b> No		
<b>Primary Supervisor:</b> <a href="#">Dr Anna Janssen</a>		
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<b>Co-Supervisor/team:</b> The research team will consist of <a href="#">Prof Tim Shaw</a> and Dr Anna Janssen.		
<b>Project Type:</b> Qualitative Analysis; Survey; Clinical		
<b>Project Category:</b> Cancer; Education		
<b>Skills / Attributes of a successful student:</b> The successful student will be a motivated and independent individual interested in learning how to conduct digital health research, with excellent written and oral communication skills. They will also need to be organised and responsible as they will be coordinating aspects of the pilot study. Finally, they need to be interested in developing qualitative research skills as they will be involved in the collection and analysis of interview data.		
<b>Project Keywords:</b> digital health; quality improvement; professional development; cancer; electronic health records		
<b>Project Description:</b> The Personalised Performance Improvement program aims to understand how data from electronic health records (EHR) can be used to personalise professional development and practice improvement for health professionals. EHRs are digital repositories for population health data that are widely used in healthcare. A large amount of data is collected in EHRs, but there is currently a lack of research into how this data can be fed back to clinicians to change behaviour and improve the quality of patient care.  This project is a pilot study looking specifically at how EHR data can be used to personalise an online training program for junior doctors undertaking specialty training in cancer. Over the pilot period EHR data will be used to create a profile of each participant's clinical encounters over a 72-hour period, which will be used to develop an individual online course for each participant. Participating in this project is an exciting opportunity to participate in an innovative digital health project. The scholarship holder will have an opportunity to experience a range of research activities whilst working on the pilot project. Research activities will include designing and delivering a personalised program through the online platform, participate in semi-structured interviews to evaluate the program, and be involved in analysing data and synthesising it for conference presentations and short reports.		