

## UQ Winter Research Project\_Tesfaye

<b>Project title:</b>	<b>eHealth approaches to improve adherence to treatment recommendations in chronic kidney disease</b>
<b>Hours of engagement &amp; delivery mode</b>	<i>The project requires students to spend anywhere between 20 and 30 hours per week for a duration of 6 weeks and can be completed in a hybrid mode (on-site/remotely, whichever suits).</i>
<b>Description:</b>	<p><b>Research question:</b> <i>Do existing e-health technologies and applications address the major modifiable determinants of treatment non-adherence, including behavioural factors, in people with chronic kidney disease?</i></p> <p><b>Background:</b> <i>Treatment adherence refers to the extent to which patients take recommended medications and lifestyle advice as provided by their healthcare providers. Non-adherence to effective treatment strategies is a common problem, particularly in chronic diseases, and it can lead to worsened health outcomes, increased healthcare costs, and a reduced quality of life for patients.</i></p> <p><b>Aim:</b> <i>this project aims to explore the interventions implemented to improve treatment adherence in people with kidney disease, including those on dialysis or have had kidney transplant. It also aims to understand the effectiveness of these interventions in improving treatment adherence and associated patient health outcomes.</i></p> <p><b>Method:</b> <i>This study will follow an innovative approach to identifying and appraising existing technologies to improve treatment adherence in kidney disease, with the view to propose a better approach grounded in theoretical frameworks that have been implemented in adherence research. For this phase of the project, students will be involved in retrieving relevant technologies using app stores (both Android and IOS) and study articles via literature database sources.</i></p>
<b>Expected outcomes and deliverables:</b>	<i>Students will gain an in-depth understanding on systematic approaches to extract, appraise and synthesise information using different data sources. This part of the work will contribute towards the first publication in this project, in which the prospective student(s) will take a leading role with the support of the project supervisors. Students are also expected to use the collected information to generate an end of project report and a presentation as part of their research program.</i>
<b>Suitable for:</b>	<i>This project is open to students preferably with health background and have some level of experience or interest in conducting innovative literature review and appraisal.</i>
<b>Supervisors:</b>	<p><b>Primary:</b> Dr Wubshet Tesfaye, UQ School of Pharmacy (<a href="https://researchers.uq.edu.au/researcher/44211">https://researchers.uq.edu.au/researcher/44211</a>).</p> <p><b>Co-supervisor:</b> Dr Shakti Shrestha, UQ School of Pharmacy</p>
<b>Further info:</b>	<p>Please do not hesitate to reach out for any queries re the project using the following contact details.</p> <p>E: <a href="mailto:w.tesfaye@uq.edu.au">w.tesfaye@uq.edu.au</a>  P: 0469033062  Office: PACE Building, Level 7, Room 7007</p>