

A NOVEL PATIENT-CENTRED DIGITAL SOLUTION TO IMPROVE MEDICATION ADHERENCE IN CANCER

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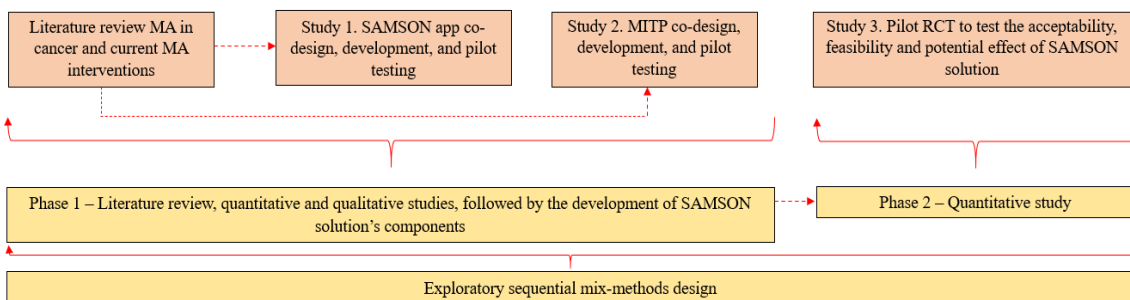
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INTRODUCTION

- Non-adherence to oral anti-cancer medications (OAMs) negatively impacts health outcomes and healthcare costs^{1,2,3}
- Technology-based medication adherence (MA) interventions have been increasingly introduced, yet their evidence of quality and effectiveness remains inconclusive⁴

AIMS To co-design, develop, and evaluate Safety and Adherence to Medication and Self-care advice in ONcology (SAMSON)

METHODS



SAMSON Research Methodology

Medication Adherence (MA), Motivational Interviewing Training Platform (MITP), Randomized Controlled Trial (RCT), Safety and Adherence to Medication and Self-care advice in ONcology (SAMSON)

References

¹Lim, RBT et.al. 2019. Medicine safety: Take care. ²Bouwman, L. et.al. 2017. Prevalence and associated factors of medication non-adherence in hematological-oncological patients in their home situation. ³Patridge, AH. 2003. Nonadherence to adjuvant tamoxifen therapy in women with primary breast cancer. ⁴Dang, TH et.al. 2022. Investigation of Intervention Solutions to Enhance Adherence to Oral Anticancer Medicines in Adults: Overview of Reviews

Acknowledgement:

This publication is supported by the Digital Health CRC Limited (DHCRC), Swinburne University of Technology, Peter MacCallum Cancer Centre (project DHCRC-0043). DHCRC is funded under the Australian Commonwealth's Cooperative Research Centres (CRC) program. Thu Ha Dang is supported by the Australian Government Research Training Program Scholarship.

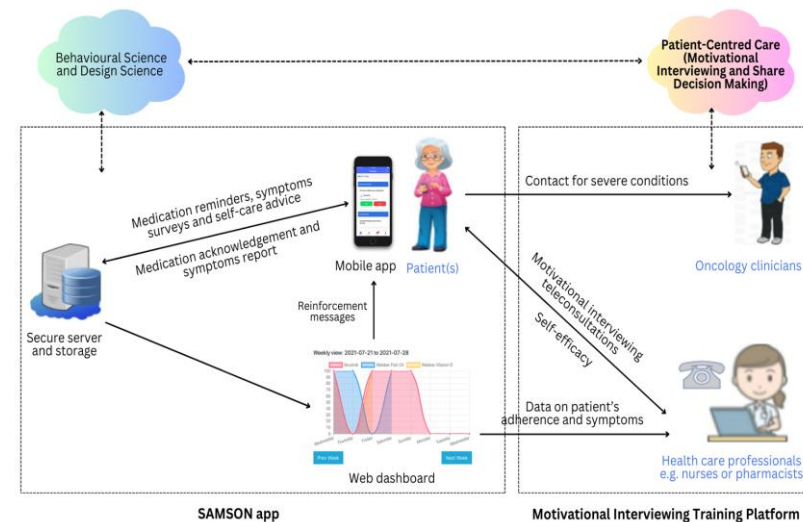


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RESULTS

SAMSON solution has 2 components:

- A mobile app** includes a smartphone app, which empowers patients' *ability* and *self-efficacy* in treatment self-management, and a web-based dashboard, which enables the patient's care team to *monitor their adherence and assess their symptoms in real-time and remotely*.
 - A Motivational Interviewing Training Platform (MITP)**, which upskills oncology healthcare professionals (HCPs) in communication, to support patients in establishing good MA behaviours and maintaining it over time.
- 61 patients with cancer and 63 HCPs participated in the SAMSON co-design and evaluation studies.



Theoretical model of the SAMSON solution

CONCLUSIONS

- SAMSON is a novel digital solution and encompasses all the required characteristics to be effective
- SAMSON was highly accepted by oncology HCPs and patients, who found it usable and perceived it as helpful to improve their adherence
- Next steps will be to further enhance SAMSON, evaluate its clinical and economic effectiveness, and explore potential commercialisation