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# RESEARCH STUDY

## Evaluation of a Mobile Digital Solution for Cancer Care and Research

**Official Title:** Evaluation of a Mobile Digital Solution for Cancer Care and Research: A Feasibility Study

The primary purpose of this pilot study is to evaluate the feasibility and acceptability of a Mobile Digital Solution in monitoring and collecting symptom burden data. The proposed study is meant to be the preparatory work for an intervention study to test the effect of Mobile Digital Solutions on improving patient outcomes by fostering early interventions for symptom relief and support of patient and family caregiver quality of life (QOL).

Digital communication has been shown to affect how patients access and receive information, how they share health data, and how they interpret and make the data useful to stay healthy or when receiving medical treatment. CancerLife, one form of digital communication, is a mobile digital solution that allows patients to broadcast their health status inside a private invitation only group, text, email, and/or publicly in Facebook or Instagram. By doing, so the patient collects his/her own patient-reported outcomes data and then share this data with their doctor or care team.

Demographic information and patient-reported symptoms will be collected from study participants through CancerLife which they can download from their mobile device app store (Android or Apple). Participants will be asked to broadcast their emotional and physical status through a symptom list within the app as well as how that symptom is impacting their quality of life and activities of daily living. This data will be collected inside the application and display in easy to understand pie charts.

**Inclusion Criteria:**

- Established diagnosis of cancer
- Karnofsky Index  $\geq 50\%$
- Age > 18 years

**Exclusion Criteria:**

- Relevant cognitive impairment
- Insufficient knowledge of English language