



My Cancer Health Manager

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Abstract: In the Philippine context, cancer is ranked as the third top killer disease in the Philippines with a total number of 47, 732 deaths in the year 2010 [1]. What is more interesting is that not all cancer patients die because of the cancer but by complications that arise due to the illness. Cancer patient are advised by their doctors to change their lifestyle in order to reduce complications and in order to do that close monitoring of their day to day activities are suggested. Nowadays, with the use of technology one can easily record what they eat, drink and do within a day. So how can a cancer patient take advantage of ICT in order to manage their illness?

In this study, the concept of personal informatics will be used in order to enable cancer patients to track and monitor their recovery progress. Personal health informatics is a tool focused on assisting people to collect personal health-relevant information that aims on improving self-understanding by gaining self-knowledge about one's behaviours, habits, thoughts, and healthy lifestyle. A mobile application will be developed that can assist the cancer patient on recording their personal informatics which can be eventually be shared with their doctors. In order to develop the application, some medical experts and cancer patients have been interviewed to gain knowledge of how the illness is managed. Related system was reviewed and benchmarked in order to formulate the application design. A prototype will be developed and be will tested by selected cancer users to test its usability. The application will act as a health manager that will ensure that the patient is following the prescribed treatment by the doctor.

Key Words: Cancer Patient; Health Monitoring; Personal Informatics; E-Health; Health Manager