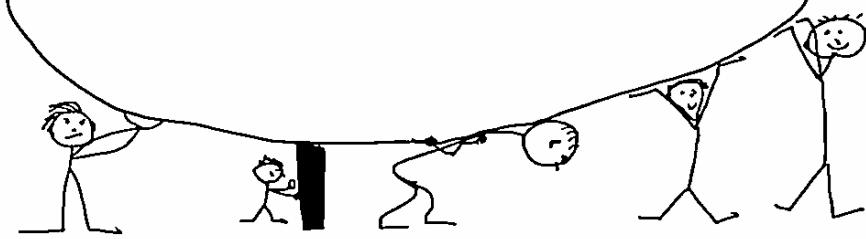


Exploring Use of Mobile Technology for Supporting Individuals with Schizophrenia in India

Anupriya Tuli & Pushendra Singh
IIT-Delhi, India



Mental Illness - A shared burden, as it affects the patient and their families !



Objective

Design and development of an mHealth intervention to assist patient and her family caregiver in the management of schizophrenia.

- ✓ Hallucination
- ✓ Delusions
- ✓ Thought Disorder
- ✓ Lack of motivation
- ✓ Hearing Voices
- ✓ Flat Affect
- ✓ Trouble focusing
- ✓ Problems with working memory



Schizophrenia

Our Work



Harmony, an mHealth system was designed to accommodate cooperative approach of the patient and informal caregiver in managing severe mental illness (SMI).

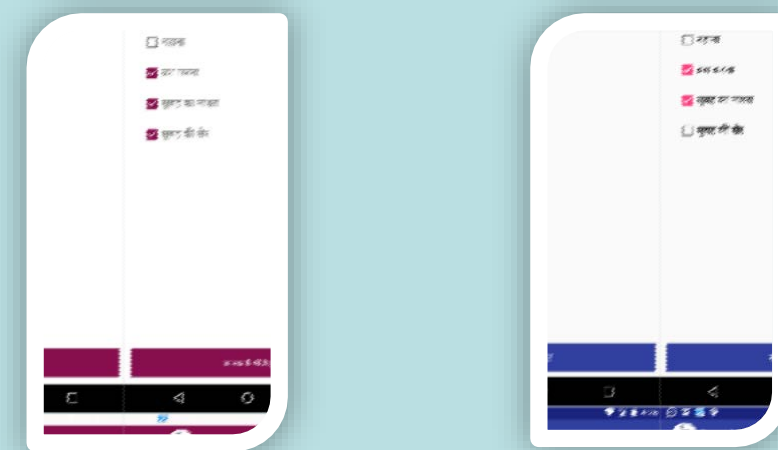
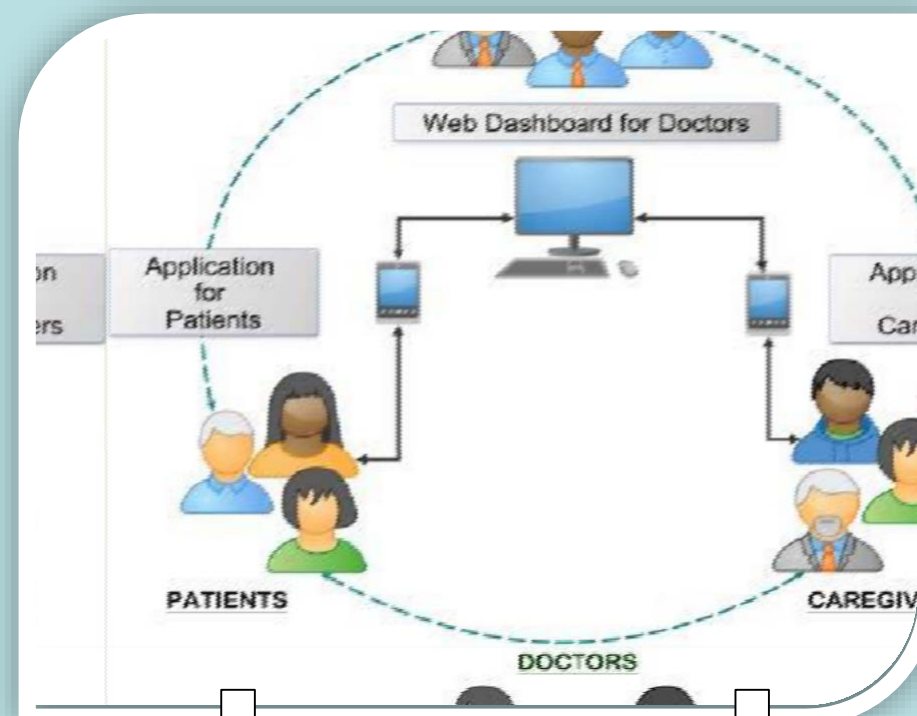
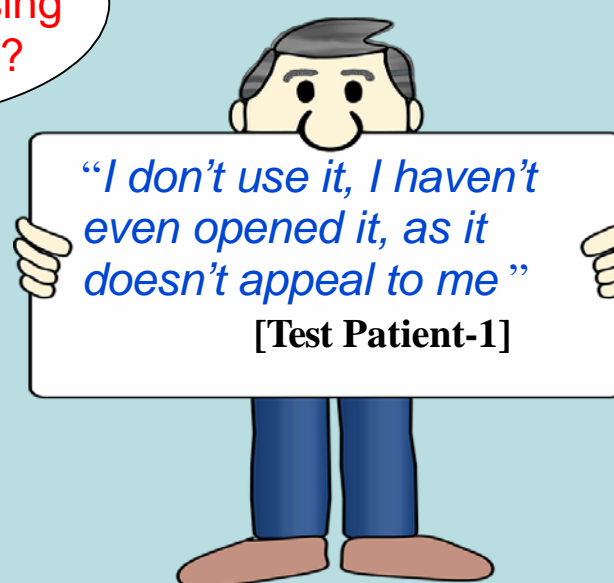


Figure: Harmony System Architecture.

Pilot Testing

A 15 day pilot testing of Harmony system with 2 pairs (Schizophrenia patient and her caregiver) at the psychiatric ward of AIIMS, Delhi..

How was your experience of using the application?



What did not appeal to you? Icons? Color?.....

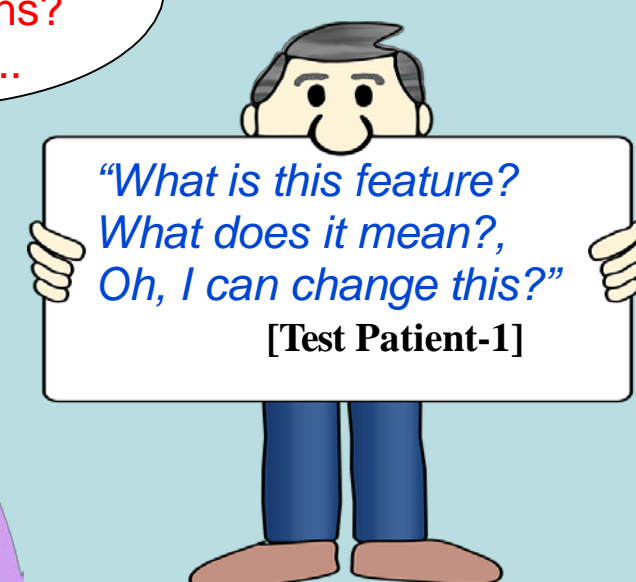


Figure: Interaction from post deployment interview.

Learnings

Test patient-1 did not launch the application throughout the deployment period.
Test patient-2 used it for more than a week and reported positively

How can we leverage mobile technology to Support management of individuals with schizophrenia in India



Acknowledgement

Authors would like to acknowledge the support provided by Visvesvaraya PhD Scheme for Electronics and IT grant with Ref. No. PhD-MLA/4(31)/2015-16/01.