



ProHealth
Indiana University

Designing Technology for Patients with Discordant Chronic Comorbidities

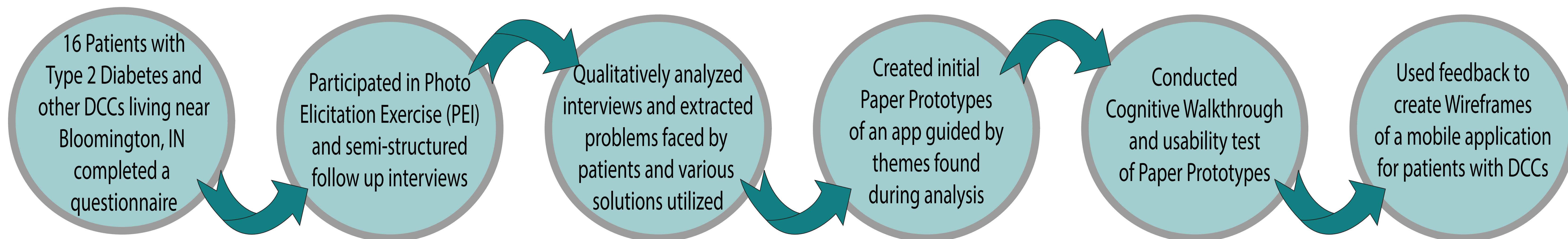


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TRANSYLVANIA
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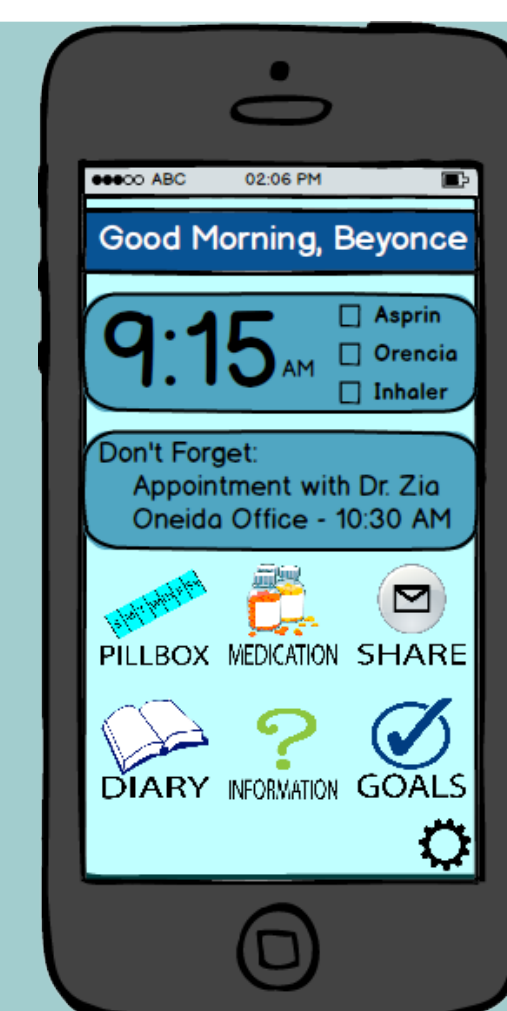
Discordant Chronic Comorbidities is the presence of multiple chronic conditions with differing treatment instructions.



1 IN 4 AMERICAN ADULTS
HAS 2 OR MORE
CHRONIC CONDITIONS

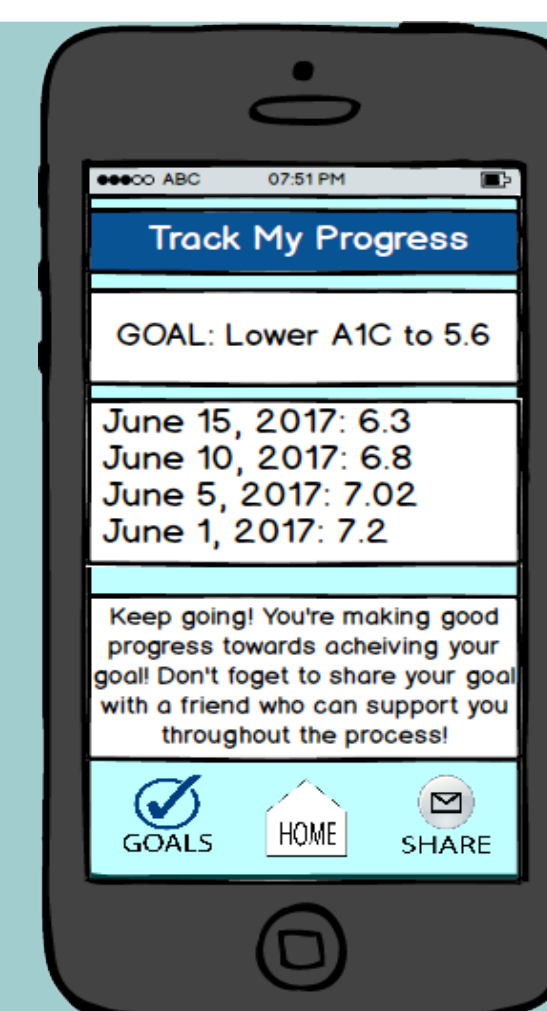
This study aimed to identify problems faced by DCC patients, and begin to develop a technology to aid them in successfully managing their treatments.

1: C. Teljeur, S. M. Smith, G. Paul, A. Kelly, and T. O'Dowd. Multimorbidity in a cohort of patients with type 2 diabetes. European Journal of General Practice, 19(1):17–22, 2013.



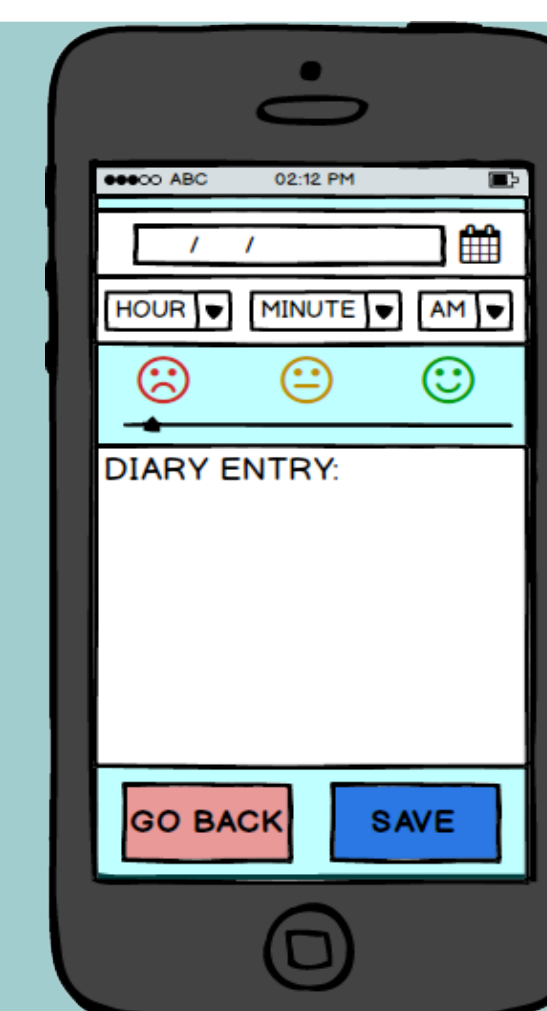
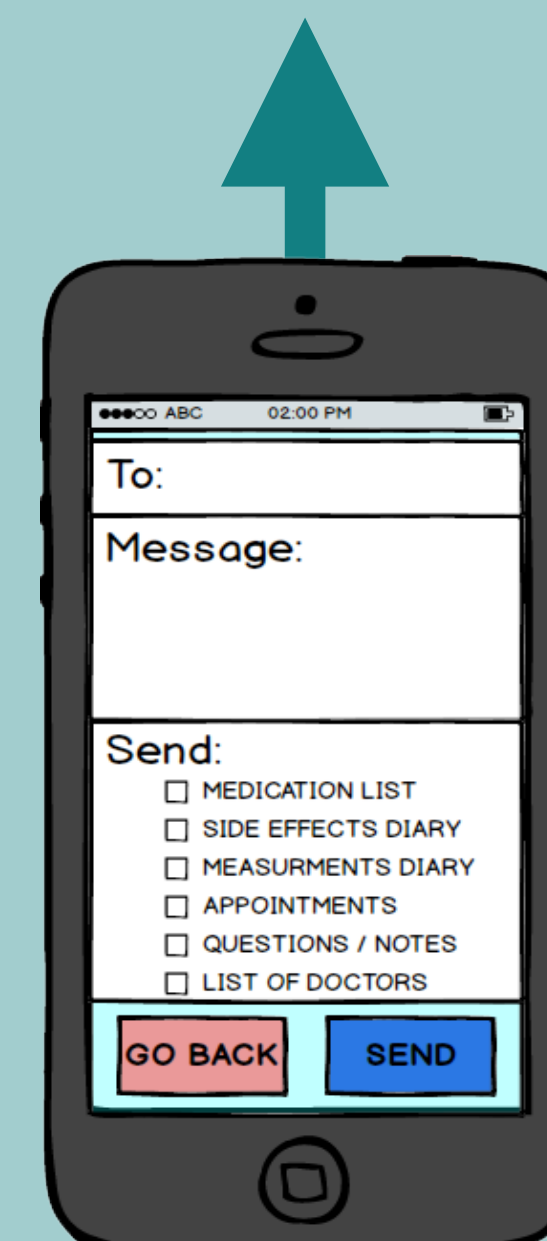
On the Home Screen, users can view upcoming meds and reminders, and access the rest of the application.

In the Pillbox, users can view meds by time taken, add new medications, and access information by going to the Med Tab.



Users can add personal and health goals and track their progress by using data from the measurements section.

The app helps users share data from the app with their medical and support networks by text, email, or PDF download.



Users can record side effects, health measurements, upcoming appointments, and questions for providers in the Diary.

PROBLEMS FACED BY PATIENTS SOLUTIONS USED BY PATIENTS

-Coping with Vulnerabilities
-Prioritizing Treatments
-Lack of Communication
-Polypharmacy
-Financial Concerns
-Compounding Effect of Multiple Conditions

-Adjusting to Changed Daily Life
-Access to Information
-Synced Medical Records
-Medication Management
-Support Networks
-Holistic Care

Future Work will involve further developing these wireframes into a mobile application, as well as continuing to study the DCCs community as it grows.

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