

Building a mobile digital solution for doctors and patients to manage treatment of cystic fibrosis

Client

The client is a mobile agency based out of the Netherlands. They needed to hire a digital technology agency to create a modern mHealth solution for a well known Dutch medical center to automate cystic fibrosis treatment support.

The client partnered with Digiteum to accomplish this goal.

The challenge

The client needed an automated digital solution for both patients and doctors to assign, manage and monitor cystic fibrosis treatment.

The app should provide seamless registration process for patients, as well as tools to download medication schedule and record real in-take history.

For doctors, the app should provide access to patient's profiles, tools to assign treatment plan and monitor progress.

Features:

- Easy registration for patients;
- Automatic download of a medication schedule;
- Up-to-date medication information availability through the system;
- Ability to record real medication in-takes;
- Doctor is able to monitor treatments progress in real time.



Digiteum's role

Digiteum has developed a mobile solution consisting of two components.

Medication App

- User registration and personal profile creation;
- Options to choose a physician and link patient profiles to individual Doctors;
- Prescription download to the patient's phone including medication, description and dosage schedule;
- Mark medication schedule as DONE each time when a pill has been taken.

Medication Dashboard

- Doctor registration and linking to patient profiles;
- Write, register and assign prescriptions;
- Monitor treatment progress;
- Upload information about medication and the illness.

Digiteum's role:

- Designed the system's information architecture and UI;
- Developed the Medication mobile app;
- Developed the Medication responsive Dashboard and prescription tool for Doctors.

Results

- Automatic interaction between doctors and patients;
- Reduced time spent by patients in a hospital;
- Increased patient's medical adherence and quality of treatment;
- Optimized patient's experience and quality of services provided by a medical center.

Find out more

For more information visit us online at:
www.digiteum.com/mhealth

Registration

After installing the app, the user is taken through a simple registration process which allows to set up a password protected account and add personal information.

Account & Sharing

- When the preparatory steps have been completed the user can download assigned treatments, read about medication and view their treatment schedule
- Patients should mark each step as DONE once medication has been taken. This information is automatically synchronised with the server and is available to the patient's specified physician.

Scheduling

The patient's prescription is pared with their treatment schedule and can be adjusted by the patient via the app. Changes are recorded on the server and the physician is informed.

Account & Sharing

Dashboard provides the following functionality to Doctors:

- Link to patients profiles;
- Prescription upload;
- Dosage adjustment;
- Assigination of treatment course to patients;
- Treatment tracking and monitoring.

