

EMR Platform For a European Hospital

How refining the electronic medical records system and developing iOS and Android mobile apps allowed an Israeli hospital to put an extra coat on **sensitive data security**, ensure **real-time patient-doctor communication**, and provide **personalized health records**.

Challenge

The main challenge was to **design digital records the way that they could be securely and safely accessed** by both medical practitioners across the institution and patients. The system should comply with the demands of consistency and guarantee total data safety.

The existing version of the EMR didn't comply with all hospital practitioners' needs. They lacked quick and convenient access to the patients' data, effective patient-doctor communication.

Solution

Along with **upgrading the existing record system**, ***instinctools offered to create a mobile app and integrate it with EMR system**. The main goal was to make a space for doctor-patient real-time communication and give the patients full access to their health data. Security level was achieved through QR-code scanning for patient identification. UX designers simplified system's interface to make user interaction more intuitive and enjoyable.

Technologies

- iOS
- Objective C
- Android
- UX/UI

Key features

The client has obtained a stable version of the platform together with the build products, as well as an option to solve integration issues quickly and at a low cost in the future.



Quick operations with large volumes of information



Integration with the client's server to establish an automatic match to the local records at the institution



Advanced security and user access control



Patients' full access to their health information 24/7 through mobile app



Personal health notes: daily sleep duration, physical activity, stress, alcohol consumption, weight



Patients' easier making an appointment with the doctor



Reminders of taking pills according to doctor's prescription



Effective real-time patient-doctor communication



Daily health insights according to personal health notes



Scan a verification QR-code from smartphone



User-friendly interface

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