



Figure 1. Dashboard available for health care staff: displaying of self-reported patient's data.

DESCRIPTION

TreC Diabetes is a project developed by the joint laboratory APSS/FBK/PAT of TrentinoSalute4.0, based on previous experiences gained through TreC and TreC_FSE projects. The project aims at implementing a new organizational asset to manage patients with diabetes type 1 and type 2, supported by new technologies.

The TreC Diabetes platform includes (i) a **mobile app for patients** (Figure 2) and (ii) a **web dashboard for health care staff** (Figure 1).

The project constructively brings together both technological innovations and organizational aspects, to promote healthy lifestyles in and efficient management of patients with diabetes (Figure 3).

SPECIFICATIONS

- The TreC Diabetes application and dashboard have been designed according to the **principles of security by design and privacy by design**;
- TreC Diabetes app is available for **Android** (version 4.3 or later) operating system **and soon also for devices with iOS** (version 10.0 or later).
- Available for free and subject to medical prescription, for all adult citizens of the Trentino region.



Figure 2. Trec Diabete mobile app for patients:
a) list of functionalities grouped by the conversation types with the chatbot;
b) displaying of the diary with reminder and self-reported patient's data.



Figure 3. TreC Diabete mobile application: displaying of a chatbot-patient conversation about diabetes management.

STATUS

Technology Readiness Level (TRL): 4
Component and/or breadboard laboratory
validated.

CONTACTS & LINKS

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ADVANTAGES & APPLICATIONS

Through the project and the related app/dashboard, the communication between patients and health care staff will significantly improve, as well as the quality of both monitoring and management of the patients. From a citizens' perspective, this will enable patients to easily access health documents and to manage their contacts with the health care staff. From an health care team viewpoint, this technology will improve prompt management of patients and efficiency in resources' use.