User groups

- ♦ Patients with multi-medication
- ♦ Doctors and health staff
- ♦ Telecare service staff
- ♦ Pharmacists

PAUTA consortium

Contact details

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Funding

PAUTA is partially funded by
the Spanish Ministry of Industry, Energy
and Tourism through the Plan Avanza initiative
(Subprograma Avanza Competitividad I+D+I
TSI-020302-2010-131) and the European Union
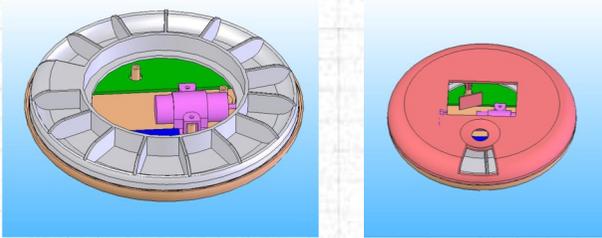through the FEDER programme.

Telecare Integrated System for the support of patients with multimedication

PAUTA objectives

PAUTA is a R&D project developed by a Spanish consortium. Its objective is the design of a complete system which includes the following components:

- ♦ **An EDDD** (electronic drugs dispenser device) or **pill dispenser**

- ♦ **A PDA or 3G smartphone** connected to the pill dispenser

- ♦ **A software application**

What is PAUTA for?

- ♦ **PAUTA helps to dispense medicines to patients with chronic multi-medication** according to the doctor's prescriptions

- ♦ PAUTA supports medical staff **to track and monitorize patients** even when they are travelling.

http://pauta.ceiec.es

How does PAUTA work?

The patient consults her doctor. After diagnosis, the doctor generates a prescription for the patient,- both in paper and electronic record - and transmits it to the patient's smartphone or PDA, and also to the computers of the pharmacy and the telecare service.

The patient goes to the pharmacy as soon as possible; then the pharmacist fills her pill dispenser according to the doctor's prescription and closes it in order to avoid any refilling mistake from the patient or their caregivers.

The patient receives in her smartphone an alert for each pill's taking time, not only for the drugs that are inside the pill dispenser, but also for the rest of them that are included in the prescription but cannot be stored inside, like patches, inhalers or drugs that must be kept in cold. Additionally, the smartphone can send data to the telecare service.

If the telecare service software detects that the patient has not taken her pills, or has fallen down, it launches an alarm and an operator phone the patient.

In case of no patient's reply, the operator follows the emergency procedure and phone the patient' relatives, caregivers or even the emergency service.

The system sends the prescription

The patient goes to a pharmacy

The system sends the prescription

SMARTPHONE

The system sends the prescription

PHARMACIST

The pharmacist fills/refills the EDDD with the most updated prescription

The patient arranges a medical consultation

DOCTOR

PATIENT

The TS calls the patient in case of any alert

PAUTA EDDD

112 SOS EMERGENCY SERVICE

Data transmission from EDDD and smartphone

In case of no reply from the patient, the TS calls patients' relatives or the Emergency Service

TELECARE SYSTEM