

eHealth Monitoring System Presentation

Mobile app

Web app

Integrated Health Monitoring System

Democritus University of Thrace

- Design and development of the app and the cloud platform
- Development of the core functionalities and services

BioAssist

- Integration of commercial medical and wearable devices based on project requirements
- Administration of platform back-end during the pilot
- Creation of training material for the end-users
- Provision of technical support throughout the pilot
- Preparation of reports regarding pilot results

Core Features



Videocalls

Communication
with doctors

Communication
with relatives
and friends



Biosignal
measurements

Physical activity

Medical history
(lab tests,
allergies,
medications,
etc.)



Reminders

Alerts

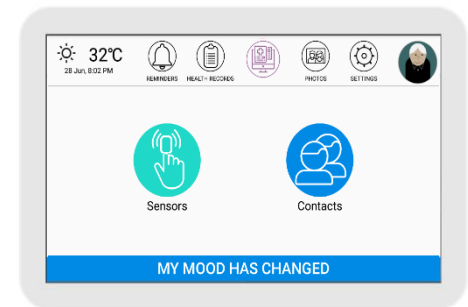
Reports

Hardware

Each user is provided with:

Tablet

- Service provision through our mobile app
- Devices interconnection and videoconferencing

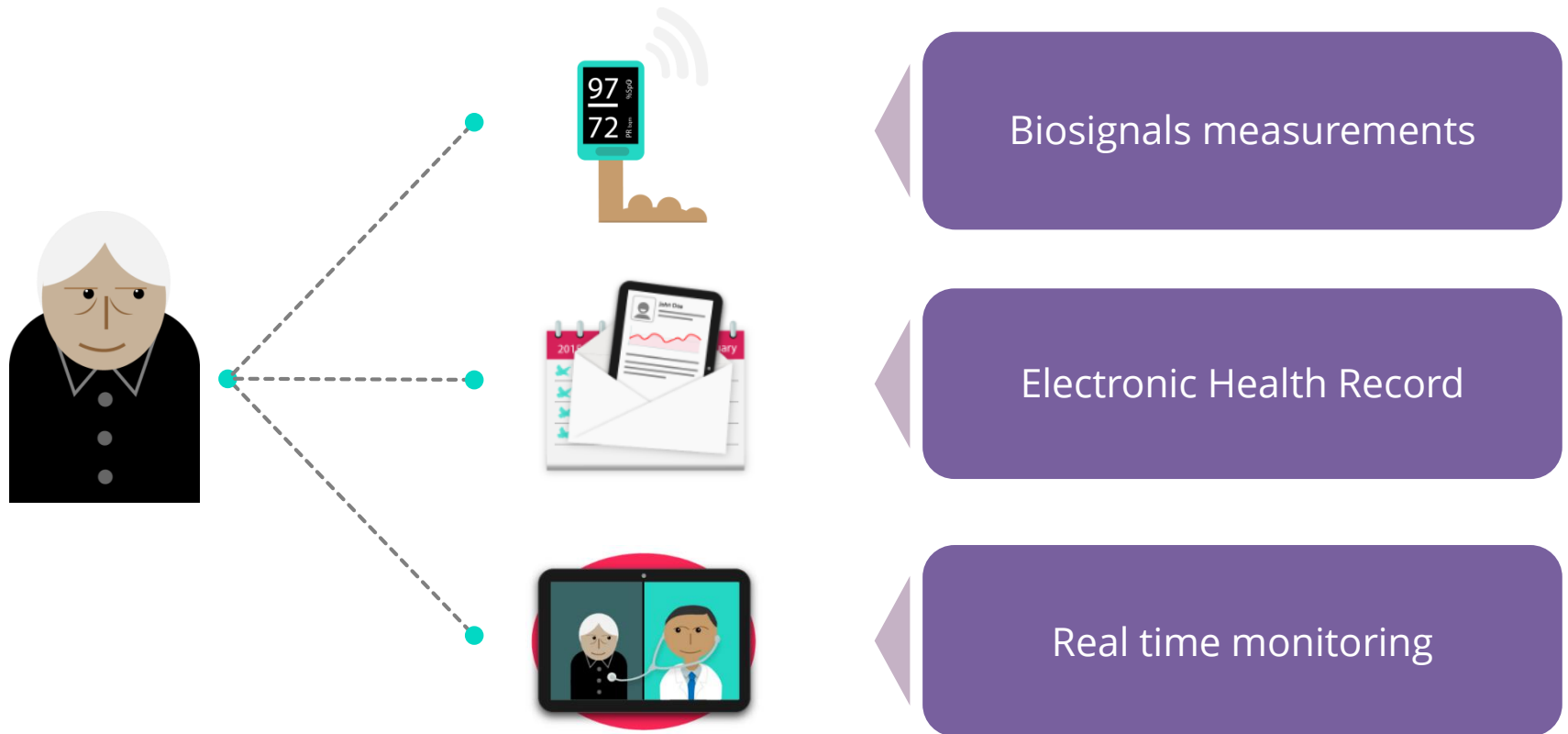


Wireless medical sensors

- Wireless connection with the mobile app for vital signs monitoring
 - ✓ SpO2
 - ✓ Pulse rate
 - ✓ Blood pressure
 - ✓ Physical activity
 - ✓ Sleep




Patients



Mobile app

7:57 PM 0.1KB/s



Interreg
Greece-Bulgaria
eHealth Monitoring


USERNAME
user@mail.com

PASSWORD

LOGIN

SUBSCRIBE

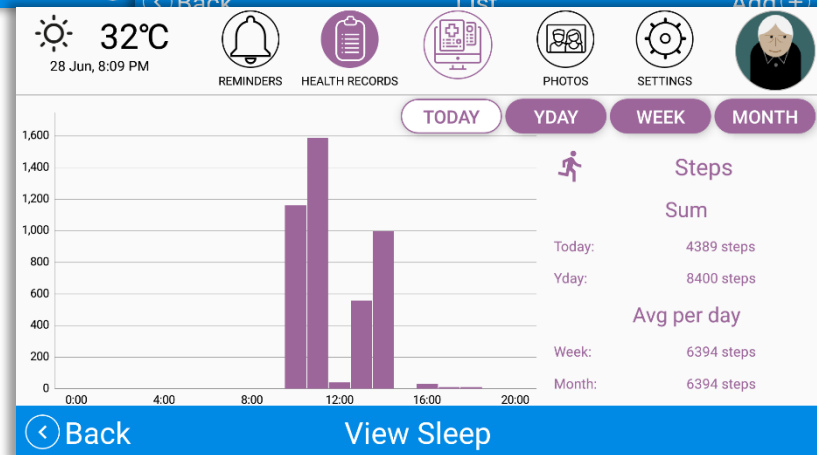
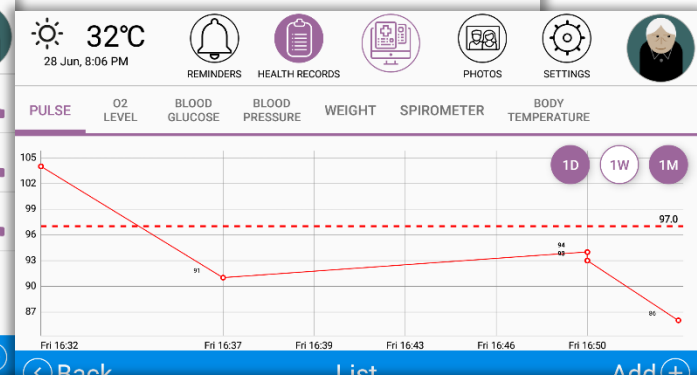
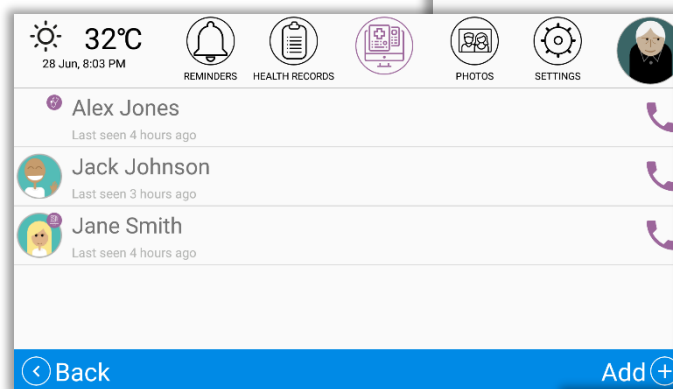
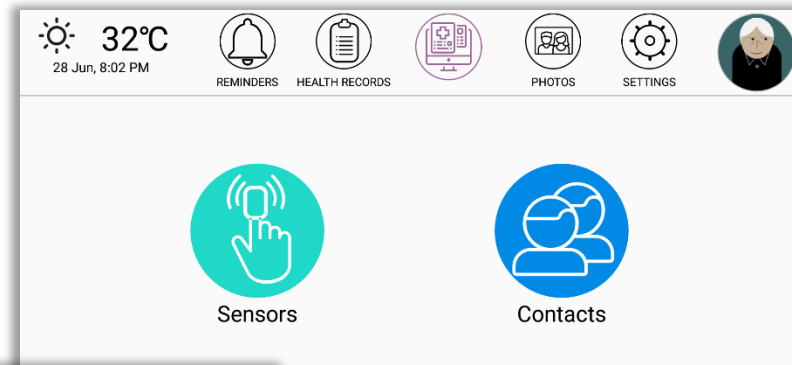
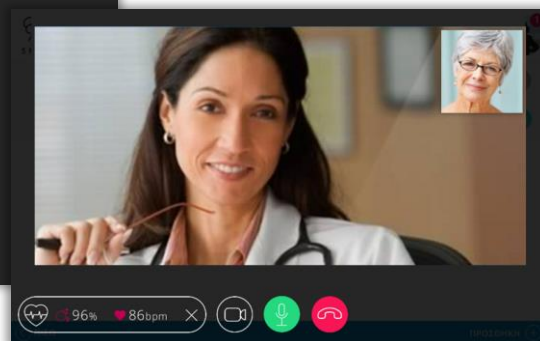
Did you forget your password?



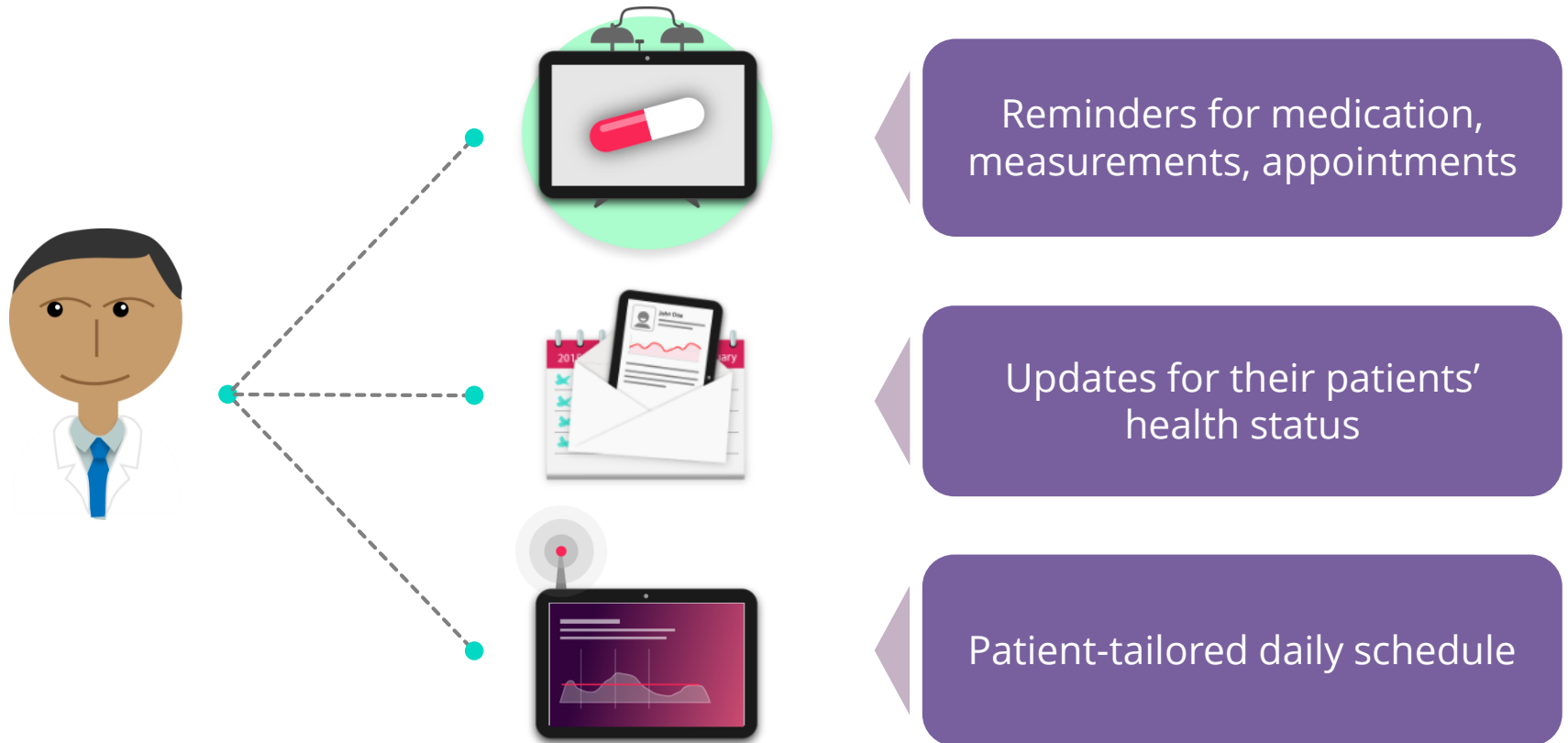
12:10pm
5 April

Blood pressure measurement

MEASUREMENT LATER CANCEL



Doctors



Web app

interreg Greece-Bulgaria eHealth Monitoring Portal

Contacts

Back

Report

Mary Johnson
demo.patient@bioassist.gr
00302615008000

Favorite

Last activity: 20 hours ago

Phone, Heart, Bell

BioSignals
Recent BioSignal
Daily Mood: Better
2019-06-28 16:58

Activity
Recent Activity
Steps: 4389
2019-06-28

Reminders
Recent Reminder
2019-06-28 12:00
Blood Pressure

Exams
Exams not found
Add new

Notes
You have no notes for this patient

Back

Mary Johnson

BioSignals Activity Exams Medications Allergies

Medications

Medication	Date	Notes
paracetamol	2019-02-22 - 2019-02-24	
cefactor	2019-02-22 - 2019-02-28	

Back

Mary Johnson

BioSignals Activity Exams Medications Allergies

Allergies

Allergy	Date	Notes
House dust mites	2019-02-22	
Grass pollen	2019-02-22	

Back

Mary Johnson

Reminders

Date	Occurrence	Message
2018-09-30 18:40	Once	Spirometry
2018-09-30 18:45	Once	Oxygen Level
2019-01-14 00:15	Once	Blood Pressure

Back

Mary Johnson

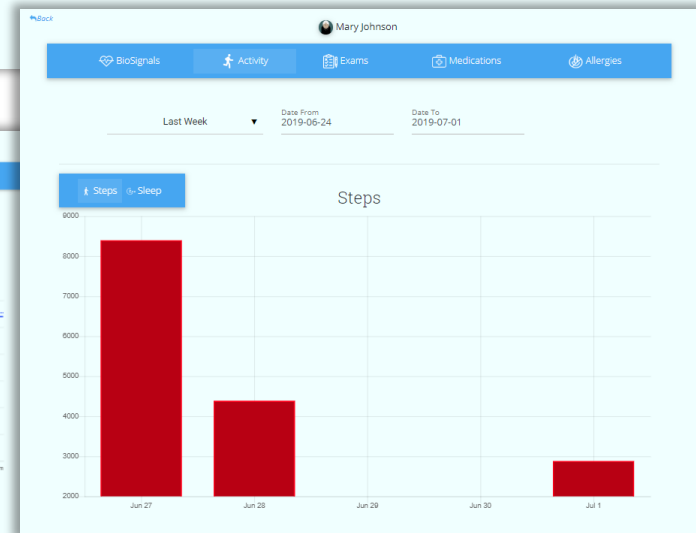
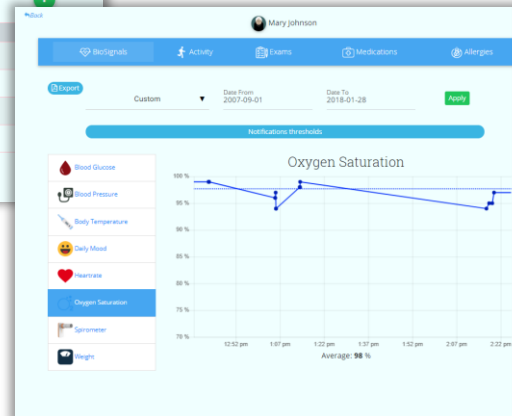
BioSignals Activity Exams Medications Allergies

Notifications thresholds

BioSignal Condition Threshold

Email notification Emergency

BioSignal	Condition	Threshold	Notifications
Blood Glucose	Greater or equal than	250	Emergency



Integrated Sensors

Oximeter



Jumper JPD-500F

Blood Pressure Monitor



iHealth Track

Activity Tracker



H10Pro

Demo

1 Doctor sets parameters for patient monitoring

- A Doctor logs in to the Doctors' Web App
- B Doctor creates a personalized measurement schedule

2 Daily use by the patient

- A The patient performs daily measurements
- B Patient calls Doctor on the app to schedule an appointment
- C Doctor views patient's PHR and sets weekly report